

## THE WORLD IS SPLITTING

Many will think of the ocean depths where the tectonic plates are splitting apart, thus allowing the magma to swell up and move the continents apart, such as happens in the atlantic eight kilometers straight down in cold darkness and a horrifying pressure of thirteen thousand tonnes per square meter. However the world is splitting in other ways, not so physical perhaps but affecting humanity very deeply.

Three principle areas of interest can be discussed, the religious, scientific and political. There are many other ways in which the world is splitting but we will consider only these three. The philosophy of science is undergoing dramatic changes with great stakes at hand both financial and energy related. Polarization of political ideas has separated the have and have-not peoples as never before and the major religions are becoming more geographically defined.

### THE UNHOLY SPLIT

Ages past have garnered one religion after another and in every part of the world, leaving today a few major groups, Islamic, Christian, Hindu, Juda and Buddhist. We will assume these to be the most influential of our time. There are of course many others.

All religions invoke a sense of holiness, either to a deity or to the substance of worship and we will use the word holy to indicate religious direction. That which is holy tends to unity and that which is unholy to disunity.

Young and technically minded can be heard to say 'religion is not important' let us see if this is really so. Geologists and biologists have uncovered some of the secrets of life and also the early beginnings on earth, while historians now study the first intelligent forays of mankind.

Fear of the mighty forces of nature, thunder and the wind led these early dwellers to imagine gods of thunder and so on to whom they would try by sacrifice and worship to appease. So from the beginning the lives and works of men began to be shaped by their beliefs, differing from place to place as circumstance dictated.

Now these beginnings laid the foundations of civilization, the bedrock of many-colored stones that we have inherited to-day and upon which the different nations grew with their differing languages and cultures. With civilization came knowledge, power and a flow of technology springing from the nations each with its own flavour even of young men with their opinions. Up to the last few hundred years the bedrock has been firm and productive until the major religions have now been established, but recent changes may be splitting this firm base.

Where is the split ? It is between Islam and the other religions, caused primarily by the demands of sharia the islamic law and triggerd by custom.

There is a fundamental difference between the moslem way and that of the western world and has been from time immemorial, but hear Kiplings 'East is east and west is west and never the twain shall meet' to feel that there has also been a benign respect.

Arabs have fathered modern science and moslem society is peaceful, it is only in the application of sariah punishments such as public cutting of hands and the subjugation of women to men so they cannot drive cars or walk freely in public unveiled that much of the division is awakened. Lest this be considered barbarious remember that it is only a short time since beheading was applauded in france and witches burned in britain. In medieaval europe kings and nobles without any qualm used torture to subdue their captives.

There has been a continual evolution in all religions with periodic modifications to suit evolving societies. Today there is hope that with the advantage of modern communication systems adjustments to avoid a split can be made. However the world may change dramatically in the future to provide other possibilities, we will discuss these next.

## THE SCIENCE SPLIT

It is only in the last hundred or so years that manifestations of a profound division in physics began to appear due to the intrusion of what is known as the Copenhagen school of thought. This was at a time that Einstein had written his theory of relativity and revealed that space has curvature due to the influence of gravity, then in 1906 he proposed that light consisted of quanta or discrete bits. A short time after this, quantum mechanics under the Bohr model became the basis of what was to be the standard model, the useful method of handling the modern microworld of atoms and molecules.

However there was a problem which Einstein clearly perceived but the scientific world largely ignored. The standard model could not be used for macro problems such as those involving gravity and the motion of stars and planets. The scientists fixed this by inventing new features quite arbitrarily and without a scientific basis at the expense of great computational difficulty, features that had to be used throughout the conquest of space. Never mind said the scientists we now have computers, who cares if the theory is incomplete and so it carried on until a few years ago.

The proper base of science was formally pronounced five hundred years ago by Sir Francis Bacon who replaced Aristotelian logic by reason based on observation. If we add to this the principle of Occam's razor or the economical reduction to essential proofs only, then we have the modern method. What was done to maintain the standard model was to ignore these two procedures and worse to claim the standard methods to be the most accurate. Pride comes before a fall ! The fall was prepared by a famous French mathematician with his Cartan geometry of many dimensions using curvature and torsion of space. He suggested to Einstein that he use torsion in his theory. Although he struggled for thirty years until his death in 1955, Einstein was unable to achieve a grand universal theory or GUT using torsion because there was not sufficient information available to him.

Experiments such as the Aharonov Bohm effect observed in 1960 and others provided the missing insights to enable Myron W. Evans, a Welsh chemist and excellent mathematician to succeed. His theory is entitled the Einstein Cartan Evans or ECE theory a single and complete theory of physics. An extraordinary proof came when the Voyager satellite after twenty years, now in deep space was found by NASA not to be where expected. ECE theory gave the precise position. ECE really opens up the future and only one of the new discoveries is that energy latent in spacetime can be extracted and used freely by mankind. No oil or coal burning, no atomic energy or greenhouse gas, but free electricity flowing everywhere to industry, homes, planes, cars and ships. This will not come for many years but small trial plants have already been made. Think how this will affect the future of undeveloped countries.

## THE POLITICAL SPLIT

Government policies are the most unpredictable of the three chosen subjects but the most powerful, especially in their effects upon future international relations.

It is unfortunate that the standard model scientists have obtained enormous funds from governments, in the order of ten billion dollars for the failed Large Hadron Collider at Cern alone, and have a jaundiced view of scientists. Although this view may delay the entry of a new era of free energy, public opinion based on successful demonstrations of free power would soon rectify this.

Dismantling the present huge energy supply system will be slow and difficult because of the massive employment and financial consequences, so probably one should expect a slow implementation of free energy, beginning in remote areas with small plants.

Will free energy bring freedom of religious thought such that the present boundaries are removed ? And if it does will we have a better world ? In fifty years it well may be. Yet humans may also return to their usual oppositions and hatreds born of the many colored mould.

Perhaps the the most likely way of ensuring that a return to opposition is avoided is through education with a greatly increased emphasis in schools on religious understanding and its importance to world harmony. Religion as a subject.

Olympic style sports generate international friendship and goodwill, a religious olympics might be inaugurated and other competitions in the same vein.

Many will scoff at the ideas presented finding that it is difficult to believe that energy can be obtained from thin air but it is so. Like all important new discoveries it will take years to gain wide acceptance . When free energy does come so we pray will peace on earth.

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