

HISTORY REPEATS ITSELF

by

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The great discoveries of science often consist ... in the uncovering of a truth buried under the rubble of traditional prejudice, in getting out of *cul-de-sacs* into which formal reasoning divorced from reality leads; in liberating the mind trapped between the iron teeth of dogma.

Arthur Koestler, *The Sleepwalkers* (MacMillan, New York, 1954)

It is often heard that the history repeats itself, and that the people, who do not know how to take the lesson from history, are condemned to experience history with all its unpleasant consequences, since, as it is also often said, the history is written by the winds. It appears to me that history never taught anybody anything, and that the humanity is condemned to live and experience history rather unpredictable as the winds.

However, what is happening in science during the past almost sixty (60) years, appears to be the true repetition of the history of science. Namely, every child learns in the basic elementary school that the Kopernikan revolution in science (Mikolaj Kopernik 1473-1543) was bloodily suppressed, even by burning at the stake – remember Giordano Bruno (1548-1600) who was burned at the stake in 1600 and Galileo (Galileo Galilei 1564-1642) – everybody who accepted the heliocentric system in opposition to the geocentric system, because Aristotle and his blind followers, so called Peripatetics, and including the inquisitors of the catholic church, taught the people that the Earth is the center of the universe where god created human being in his own image, and that apparently everything revolves around the Earth. The truth of the heliocentric system observed, discovered and described *de facto* Aristarchos of the island Samos in the Aegean Sea 18 centuries before Kopernik in the 3rd century before Christ (old era) following the hypothesis of Pythagoras in the 5th century B.C.

The Kopernikan revolution in science is in reality from the purely scientific point of view, namely from the purely mathematical point of view, only the shift of the coordinate origin of the coordinate system of observation of the motions of the planets from the center of the Earth (geocentric system) to the center of the Sun, i.e., the heliocentric system. Of course, the trajectories (orbits) of the planets in the heliocentric system are the relatively simple ellipses around the Sun, what discovered and described in details the famous astronomer Johannes Kepler (1571-1630) with his famous laws, as against the rather complicated trajectories of the planets (the original meaning of the word *planet* is *wandering star*), which were defined precisely mathematically in the geocentric system by the well-known Alexandrian astronomer, mathematician and geographer Claudius Ptolemaeus in the 2nd century A.D. (new era) in his book *Megale syntaxis*, which is also known as *Almagest*.

I discovered as a student of the Belgrade University more than 60 years ago the deficiency, i.e., the omission of the definition of the center of self gravitation of any observed body or of any elementary particle as the point at which the self gravitational field is zero. That point – the center of self gravitation – exists and can be determined in principle for every body, including, of course, for all planets and stars. That point – the center of self gravitation – never coincides with the center of mass of the observed body,

except in the case of the absolute symmetry of that observed body, but the absolute symmetry of a body, particularly of the celestial bodies, planets and stars, never occurs in nature. The founder of modern theoretical physics with his famous theory of gravitation Sir Isaac Newton (1642-1727) never conceived nor defined the center of self gravitation, and he limited his theory only to the center of mass, and even today, that point – the center of self gravitation – is rejected and not recognized nor accepted by the ruling science establishment as an important point of every mass body, including, of course, the elementary particles.

The center of mass of a body is precisely defined in every textbook of physics and mechanics, and it is identical to the center of weight of that body in the uniform external gravitational field. But, to repeat, the center of self gravitation of an observed body as the point at which the self gravitational field is zero, was never defined in the scientific literature up to the present day. And my numerous scientific papers, which consider that problem of science and its very far reaching consequences, were rejected and not published without any scientific argument, except that they are “unsuitable” by all world scientific journals known to me and reachable to me, which are too numerous to be cited by names, including, of course, the domestic, i.e., Serbian institutions such as The Serbian Academy of Sciences and Arts, Institute of Physics, Geomagnetic Institution and the technical Colleges (Faculties) of the Belgrade University. The University of Novi Sad by e-mail letter offered to publish one of my scientific papers in English in a monograph devoted to the memory of Milutin Milankovic (1879-1958), but my offered scientific papers were ignored.

The Geomagnetic Institution, following the experiment at the beginning of 2008 in the Belgrade Office of that Institution with the wooden triangularly formed pivoted needle, which assumes the identical direction as the magnetic needle of an ordinary magnetic compass, promised to translate all my scientific papers from English into Serbian and to publish them in a limited number of copies with my foreword and my editing responsibility, but without any payment to me or by me, but it broke that promise. That Geomagnetic Institution now owes to pay to me for my lost time writing in vain a rather long foreword. The Mathematical Institute of the Serbian Academy of Sciences and Arts first accepted and then without giving any reason denied the opportunity for the public performance of my gravitational experiment following my lecture before that Institute about my scientific paper “Magnetism as Manifestation of Gravitation”. That experiment was presented during my lecture on November 22, 2007 at the College (Faculty) of Mechanical Engineering of the Belgrade University in Belgrade with the promise of the publication of my scientific paper “Magnetism as Manifestation of Gravitation”, but that promise was broken by the Dean at that time, who is now the Assistant Minister for science of the Serbian Government! And the President of the Serbian Academy of Sciences and Arts, a civil engineer and a professor of civil engineering, excuses himself as not being able to judge my paper “Magnetism as Manifestation of Gravitation”, which is really only a rather simple analysis of the balancing very slow motion of a pivoted wooden needle in the Earth’s gravitational field using strictly the classical Newton’s theory of gravitation. But any student – sophomore – of the course Mechanics should be able to carry out such analysis, or be failed in that course. The present day “scientists” appear to be only the very narrow specialists, or “the learned ignoramuses” as they were dubbed by the great Spanish philosopher Jose Ortega y Gasset (1883-1955) in his book *The Revolt of the Masses*.

The consequences of the precise definition of the center of self gravitation and the shift of the coordinate origin of the geophysical coordinate system from the center of mass of the Earth, at which point that coordinate origin is still wrongly placed by the accepted present day science, to the center of self gravitation of the Earth – that is mine, i.e., Djuric’s scientific revolution closely resembling the Kopernikan revolution – those consequences are indeed very, very far reaching. Immediately my unified field theory is obtained with the inexorable unification of gravitation with magnetism by the symmetrical Maxwell equations (James Maxwell 1831-1879), and the conventional Earth’s magnetic field appears to be only a portion of the Earth’s gravitational field, or more precisely, mainly its dipolar part. Further, the elementary particles must be defined by the two points, i.e., by the center of mass and the center of self gravitation as the objects of the very, very tiny but finite dimensions, not as the point-like dimensionless objects as it is the present day accepted but wrong practice. Quarks, gluons and other accompanying categories like color, strangeness, etc. become absolutely unnecessary, as they are obviously logically absurd. Quarks, in words of the Nobel Prize laureate Murray Gell-Mann (1929-), who apparently proposed the quark hypothesis, were somehow “inspired” by the surrealistic writing of James Joyce (1882-1941) in his book *Finnegans Wake*. And the Nobel Prizes for quarks and the presumed proofs of their existence become totally absurd!! What a farce in science!!

The definition of the elementary particles by the two points explains naturally the existence of the magnetic moment of neutron, in reality the intrinsic mass moment of neutron, and that leads further to the logical model of the strong interaction, and, very probably, to the possible efficient fusion control as the source of unlimited pure energy. But the rulers, the potentates of the present day world science are probably ashamed that more than 300 years the center of self gravitation was not revealed nor defined, and they do not want to even consider that definition, even more that it is proposed by a Slav, even worse, by a Serb, not by a Germanic Uebermensch or by the member of the “chosen” people. They, those rulers, do not want to see the accompanied downfall of the two so glorified “scientific theories”, as the theory of relativity (special and general), the dynamo theory of the origin of the conventional Earth’s magnetic field, which theory really violates the basic second law of thermodynamics and the rejection of the dark matter hypothesis, while the theory of particles and quantum mechanics should be thoroughly revised. They are able and willing to recklessly squander billions of dollars to build the unnecessary Large Hadron Collider, whose maintenance requires probably billion of dollars annually, while I cannot obtain few tens millions of dollars to accelerate electrons above the speed of light and to perform experiments for possible efficient fusion control quite different from what has been done so far by various world scientific laboratories. And all my scientific papers remain unpublished for the past almost 50 years, but can be found on <http://jovandjuric.tripod.com> All up to now experiments for the possible efficient fusion control were unsuccessful for the past 60 years, but my scientific ideas are unacceptable for the rulers of the presently “accepted theories”!

The past ruthless rulers over 4 centuries ago tried to suppress the Kopernikan scientific revolution by the threats of burning at the stake, but my scientific research was referred to by the Dean of the UNM College of Engineering as “playing with boy scouts” with the accompanying discrimination in salary and promotion and eventual dismissal on March 05, 1976 when I was involuntarily retired and labeled as “anti-semite”. What a shame! During the nazi German occupation of Serbia, the only portion of the former Yugoslavia which was truly ruthlessly occupied by the nazis, I as a gymnasium student

and a well-known antifascist was three times arrested, beaten and confined in the Gestapo concentration camp as the alleged collaborator of the people's liberation movement, which secretly I was, and I fixed their small transmitter and number of radio receivers. But strangely, I was expelled from the College (Faculty) of Electrical Engineering of the Belgrade University in 1949 for the alleged opposition of the communist regime in former Yugoslavia. It appears that the history of science is repeating itself, although with some changes, since I really was not burned at the stake as Giordano Bruno, but only involuntarily retired, i.e., eliminated from the scientific circles just like Galileo was placed in the life-long home imprisonment. Although I am now in the 86th year of my life, i.e., quite old, I am still active in science, and I am very interested to confirm experimentally the limits of application of my unified field theory, or, perhaps, even to improve it. My very simple gravitational experiment has undoubtedly confirmed the basic correctness of my theory that the intrinsic mass moment is identical to the magnetic moment with the suitable constant of proportionality, and the "missing" magnetic monopoles, as erroneously "asserted" or "affirmed" by all up to the present days physics textbooks, are really everywhere all around present mass monopoles, i.e., masses! The interested reader can read my scientific papers and find more details about my life and my research work on my already mentioned Internet Site <http://jovandjuric.tripod.com>

It is sad and a shame that the world scientific community, corrupted so much by politics of power and the quest for prestige, is opposed so irrationally to my fundamental scientific experimental and theoretical results, which really only correct and complete the classical physics, particularly completing the experimental work of Galileo Galilei and completing Newton's theory of gravitation, and without which results the progress of science will not be possible.

I must mention at the end of this document that all contacted institutions and their leaders, including the President of the University of New Mexico and the Rector of the Belgrade University, ignored my letters offering fairly substantial sum of our (my wife and myself) money for the creation of our scientific foundation for further encouragement of research of my scientific ideas, or possible students stipends foundation after our deaths as an alternative.

Signed, Jovan Djuric

October 03, 2010 in Belgrade, Serbia