

ESSAY THIRTY : A Short History of the B(3) Field.

The B(3) field was inferred in about November 1991 after I returned to Cornell Theory Center from a year at Zurich University working with George Wagniere and Stanislaw Kielich on the inverse Faraday effect. The B(3) field is now the basis of several new technologies and it has been used on the NASA space shuttle. These technologies were developed from B(3) theory by Dr Taishi Kurata who had inferred in 1960 that the Einstein theory was incomplete due to lack of spin or torsion. The ECE theory now incorporates torsion into general relativity. More accurately B(3) was inferred looking out on new snow from the home of my first wife and myself: 77 Lois Lane Ithaca. I often worked there during my stay at the Cornell Theory Center. Taishi Kurata and his colleagues have kindly named their research institute after B(3) and have just opened a patented ten thousand ton diesel plant in Cordoba in Spain producing clean burning diesel from waste oil and olive oil using Kurata / B(3) technology. Their patented clean water technology based on B(3) was chosen for the NASA space shuttle and became famous.

The concept of B(3) was quickly accepted and published in *Physica B* in 1992 and 1993. By now, several other colleagues have developed theories similar to it, and it has been successfully incorporated in ECE theory via the spin connection. It was based from the outset on experimental data, the inverse Faraday effect, but was intended to produce a self consistent theory of non-linear optics. I was appointed a professor of physics at the University of North Carolina Charlotte in 1992 on the basis of B(3). My first wife and myself had to uproot ourselves from Cornell because I was not being paid by the Theory Center and IBM had decided to downgrade its presence there. Otherwise we would have stayed at Cornell to which we moved from IBM Kingston, New York State. The move to UNCC was a mistake because my colleagues there did not really understand the concept at all. It was Dr Kurata who understood it.

The B(3) concept was also understood and accepted by leading theoreticians and experimentalists of the time such as Mansel Davies, who told me that he had never seen anything that more deserved a Nobel Prize. However he may have been biased, being my Ph. D. Supervisor (1971 - 1974), but he was a Nobel Prize advisor and well known to some great names in science such as Peter Debye. Rarely did he let his scientific judgement be biased. As the source documents of that era show clearly, the B(3) concept was also accepted by some of the greatest physicists of the twentieth century, among them Jean-Pierre Vigié, Stanislaw Kielich, and John Wheeler. These source documents are on www.aias.us and are constantly studied now around the world.

So why were the Kurata / B(3) technologies never developed in the United States or Europe? The blame for this must be put at the door of academic dogmatists, whose terrible behaviour is well known around the world. Most to blame, sadly enough, are David Buckingham and Lawrence Barron, who attacked B(3) on the basis of their theory of complete experiment symmetry. Their behind the scene attacks caused a paper accepted in *The Physical Review E* to be withdrawn. Buckingham's continuous attacks unsettled the UNCC administration who contrived false charges against me and forced me to resign in 1995. The UNCC administration has been widely condemned for many years and has completely ignored all the criticism. Attacks also came from Akhlesh Lakhtakia, who was recently warned by the police for cyberstalking. His mindless arrogance has been roundly condemned by terrible student assessments which are publicly available.

So the western world was completely unable to understand the significance of B(3) theory, and its university system deliberately did its best to stop my academic work and publication work. Since 1995 I have been left to work on my own, without university

support, and gradually formed a first rate group of colleagues of the AIAS. The academic world has lost the high ground of intellectual leadership in science, and has caused endless trouble. This is a diluted form of stalinist purges or SS arrests in the nineteen thirties. It is well known that Albert Einstein was about to be arrested before he quietly left for Britain and the United States. Even after being appointed to the Civil List in 2005, mainly for the discovery of B(3) as is now clear, the University of Wales completely failed to give me any support. So all the initiative was lost. Despite this, I still hope that the Kurata / B(3) technology will result in desperately needed jobs in Wales.

The dogmatists, being fanatically negative, will go on denying that B(3) exists, but it is hard to ignore a ten thousand ton diesel plant based on B(3). Of course, we all know that Trevithic=s steam engine of 1801 was pulled by invisible horses. The engine never really existed. Kurata summed up this familiar luddite mentality by writing that if he had listened to the negative type of academic of his era, he would have been delayed for a hundred years.