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Roberto Maglione has been working both in the oil & gas exploration and cardiovascular medical devices industries. Maglione has been Visiting Professor at the Polytechnic of Turin in the period 1999-2001. He is the author of two scientific books, on the Rheology and Hydraulics of Drilling Fluids (1998 and 1999) and of more than 90 technical articles.

Maglione has been studying and researching on Reich's theories since the early 1990's. He wrote the following books *Wilhelm Reich e la modificazione del clima* (2004), and *The healing of atmospheres* (2007); and co-authored with Nicola Glielmi *Argomenti Reichiani* (2007), *Wilhelm Reich* (2009), *La distruttività post-encefalitica ed il farabuttismo dialettico nelle strategie di comunicazione* (2009), and *L'arca di Mosè e l'accumulatore di Reich. Una identità oltre i confini del tempo* (2010); and with Alberto Mazzocchi *Biofisica e medicina orgonica* (2013). He contributed also to the book edited by DeMarchi and Valenzi *Wilhelm Reich. Una straordinaria avventura scientifica e umana* (2007).

Maglione holds a MS degree in mining engineering from the Polytechnic of Turin, Italy, and is a member of numerous scientific associations.

Recovering Natural Atmospheric Pulsation from Reich to the Present Times

Cosmic Orgone Engineering (CORE), also known as *cloudbusting*, is a method to restore the natural pulsation of the atmosphere, that was conceived by Wilhelm Reich at the beginning of the 1950's. A basic assumption of CORE is that the atmosphere, as well as the Cosmos, is full of a pulsatory energy whose presence was first discovered by Reich when studying the behaviour of human beings, showing how it flows inside the organism; and then, by studying the origins of life, finding it everywhere in Nature. Reich decided to call it orgone energy or simply orgone, and postulated that this pulsatory energy underlies, and is responsible for, all atmospheric phenomena.

CORE is based on the use of an apparatus called a *cloudbuster*. This instrument is principally made of hollow metallic tubes that, if used according to specific procedures, in the presence of stagnant atmospheric orgone energy, can unblock that stagnant energy and restore the natural pulsation of the atmosphere by re-establishing the energy flow. In this way the original cyclical condition of orgone charge and discharge, typical of fair and bad

weather, and peculiar to a specific area, might be recovered. As by-products of this process cloud dissipation or formation, wind development, rain or snow production, and temperature lowering may occur.

Between 1952 and 1957, Reich carried out numerous operations in the United States, most of them aimed at restoring the natural atmospheric pulsation, and bringing rain to areas suffering from drought. He published most of his results in the *CORE* journal.

Many of these operations, which he referenced by using the term OROP, took place in Maine, primarily in the area surrounding Rangeley. Others were performed near different cities along the Atlantic coast, like New York, Philadelphia, Washington, and Savannah. His most important and long-term experiment was carried out near Tucson, in the desert of Arizona.

On one occasion, he intervened to weaken hurricane Edna, which was threatening the coast of Maine, and successfully deflected its course out towards the Atlantic Ocean.

In the immediate post-reichian period, Blasband and his colleagues carried out numerous field experiments, primarily aimed at verifying the effectiveness of *cloudbusting* in restoring natural atmospheric pulsation and producing rain during times of drought, and snow in tourist locations at high altitudes. The methodology was also used in the diverting of hurricanes, and in the extinguishing of forest fires. Most of the results were published on *The Journal of Orgonomy*, the periodic edited by the *American College of Orgonomy*.

All the experiments were carried out following rigorously scientific methods both for data collection and data processing. Satellite images were used, all the atmospheric physical parameters monitored and the results evaluated by using statistical methods. In 80% of the operations natural atmospheric pulsation was recovered and rainfall was obtained, with a reduction of drought and desertification.

In the last decades, DeMeo has undertaken a series of experiments, both locally and extended over vast areas, to verify the effectiveness of the technology on the atmospheric processes and climate. He demonstrated that not only was *cloudbusting* valid in restoring, at least *temporarily*, the natural atmospheric behaviour, and in producing rain, but that it even works in extreme climatic conditions and environments, typical of arid and desert areas, such as those existing in the southwestern arid-zone of the United States, in Israel, and in sub-Saharan and southern Africa, such as, Eritrea, and Namibia. All the time he succeeded to bring copious rains. The results were largely documented in scientific papers appeared on the periodic *Pulse of the Planet*.

In the last years very few field experiments have been performed with the primary goal of validating the results of the previous field studies. Of some importance we can find the work of di Ferdinando in the southeastern USA, and Maglione in Madagascar, southeastern Africa, that fully confirmed the results originally obtained by Reich and by subsequent scientists.

Methods and Procedures in Biophysical Orgonometry

Biophysical Orgonometry is one of the many branches of Orgonomy. It studies the variations and anomalies of physical parameters such as temperature, static electricity, radioactivity, humidity, and gravimetry that may occur in orgone apparatus, when comparison with control devices or open air is made. Amongst the apparatus, Reich constructed to manage this energy, we can find the orgone accumulator, a device that can concentrate in its interior an amount of orgone energy higher than that of the surrounding environment; and the dorbuster, and the cloudbuster that both can withdraw orgone energy from the point which they are pointed at, thus creating an orgone energy depression.

Results of the majority of the experiments carried out by Reich and by his followers were published on many research journals such as the *International Journal of Sex-Economy and Orgone Research*, the *Orgone Energy Bulletin*, the *Creative Process*, the *Journal of Orgonomy*, *The Annals of the Institute for Orgonomic Science* and *Pulse of the Planet*.

Thermal orgonometry consists in the ways and the methods by which orgone energy manifests itself as heat. Heat production associated with orgone energy devices, above all the orgone accumulator, is the subject that has been investigated and developed most in the last decades. Some studies have also been carried out to evaluate the effects of the dorbuster on the temperature of the water in which the drawing cables were grounded.

As a general rule higher concentrations of orgone energy are characterised by temperatures higher than those typical of lower concentrations. Accordingly, the interior of an orgone accumulator may be characterised by an increase of the temperature of some degrees Celsius when comparison is made with surrounding open air temperatures and of some tenth of a degree Celsius when compared to the temperatures as measured inside a control box. It was observed that temperature variation is above all dependant on weather conditions.

Primary observations on electroscopic anomalies were made by Reich in the 1930's after placing a static electroscope in contact with materials characterized by, or inside, high

orgonomic fields. In general it was noted that high orgonotic potentials, such as those characteristic of orgone accumulators, determine a decrease of the discharge rate of the electroscope leaf when compared to that occurring at the outside in open air. Weather conditions may affect discharge rate.

In 1940's Reich found out that orgone energy concentrations could also be detected by a Geiger-Muller (GM) counter. He saw that the orgone accumulator produced in the interior a spontaneous and measurable increase in radioactivity compared to the surrounding environment, and a GM counter left inside gave higher readings than those found outside. A result that was obtained also by other scientists thereafter.

Orgonomic hygrometry is the branch of biophysical organometry that concerns the application of hygrometric instruments to objectively demonstrate the mutual attraction between orgone energy and water. Variations in the relative air humidity in an orgone accumulator were determined and measured in some studies. It was also seen that variation of relative air humidity may be affected by weather conditions.

Reich became interested in gravitation in the 1940's, and soon realized that he had made a major discovery which opened up the possibility of creating negative gravity artificially. However, controversial information can be found in the literature about this issue since, according to some authors, he destroyed his later work on gravity prior to his imprisonment in the Lewisburg penitentiary in 1957; while for others he continued his studies while in prison, which were then recorded in his last manuscript *Creation*. This manuscript disappeared and was never found after his death.

The only information Reich made available on his researches is a few pages, in part handwritten, included in his book *Contact with Space*, and a few lines in the Journal *CORE*. A manuscript containing details of his gravity experiments was also prepared, but was later put into his archives and was never published.