

THE MUSIC OF THE PLANTS OF DAMANHUR

Imagine a concert where musicians can interact with trees, improvising with them through a special electronic device that allows them to play music.

Imagine millions of people all over the world having this experience .
Imagine all of them realizing that plants are alive and sentient beings.

Imagine the change in ecological and spiritual awareness this will create on our planet.

Imagine a world in which humans have learnt that everything that lives, humans, animals and plants, has emotions and feelings and participates in life fully as we do,. Imagine gardens and forests in which trees and flowers interact with human beings by means of sounds and music. All this may soon not sound like sci-fi anymore, but become part of the normal experience of every child of planet Earth.

Many years ago, in Italy, in the world-renowned Italian cultural community known as Damanhur a device was developed that can translate electric conductivity of the plants into music and melodies.

Damanhur was established in Valchiusella Valley, in the Alpine foothills of northern Italy (90 miles north of Milan) in 1978 and is populated in part by scientists, doctors, researchers and artists who dedicate their lives to understanding the workings of Nature as a living, intelligent force. For many years, Oberto Airaudi, founder of Damanhur, and his fellow researchers, researched bioelectric processes that are conducted by plants, trees and flowers. They discovered that the conductivity is a core indicator of the life force of plants generating key pathways for water, minerals, and other nutrients within trees and flowers. It is this electronic process that is sensed by the unique, innovative device that Damanhurians use in their experiments on the consciousness of the plant world.

Damanhur's extensive research demonstrates how living organisms respond intelligently to their environment, and is confirmed by an earlier U.S. based study by scientists whose findings are detailed in a book entitled *The Secret Life of Plants*. Plants respond in very sophisticated ways to both physical and intellectual stimuli. The data derived from these studies demonstrates that Plants communicate with each other through shifts in their conductivity – shifts that, until now, humans were not able to detect or understand.

Damanhurians discovered that the electrical behavior of plants could be captured using a probe, electrodes, and a device. This combination of electronic components “translates” the signals being conducted by living Plants into musical sound. The pulse streams of each organism

are unique, with each Plant manifesting its own individual biological “signature sound.”

Moreover, plants demonstrate that they can learn to interact with humans. At first, the plants “simply” realize that the sounds emitted by the device are a consequence of their electric activity, then they learn to modulate it to change the sounds. More expert plants, eventually, use the sounds they modulate to interact with humans and create a real form of communication. When they interact with musicians for example, they sometimes even repeat the same scales, the same tunes and the same notes!

It has also been demonstrated that trees and plants that have become experts in interacting with humans and in controlling the music device can ‘train’ other trees, helping them to learn quickly.

The Music of the Plant technology

The device that utilizes the revolutionary technology invented at Damanhur to convert the energy of Plants and translate it into music contains a unique software program, microcontroller as well as other electronic hardware. It attaches to the plant via two probes, one of which attaches to a leaf (or the leaf’s stem) and the other is attached to another leaf (or the leaf’s stem) or by the probe grasping a small metal rod inserted into the soil close to the root of the plant. The electrical behavior of the Plant is sensed through the probes and translated into music.

The device allows a plant to play music based upon its health, environment and general demeanor. This is achieved by monitoring the Plants instantaneous resistance. Dependant upon the level of resistance, different notes and cadences are played, from the selected music type, allowing the plant to actually play the music.

On certain occasions, the Plant’s resistance creates a spike, indicating an excited state. This can occur due to external influences such as touch, watering, moving, etc. Sometimes the plant can spike its resistance independently. Whenever a spike occurs, it causes a change in notes, which may be more to the plants liking.

Because Plants themselves are complex entities, their internal electrical pulsations are at the same time strong and subtle. The Damanhurian technology is capable of responding to both large and small electrical changes, and translating them into musical sound. Thus, the device essentially becomes a musical instrument, which is played by the plant, through the Plant’s electrical variations. The natural shifts in the plant’s energy impact the quality and timbre of the music played by the Plants. The Device used in translating the Plant’s electrical variations into music captures and expands these complex electrical variations and translates them into different musical sounds. For example, the same electrical variation stream can be made to sound like string instruments, an organ, a brass ensemble, or the elements of a rainforest. Regardless of the channel selected, the

underlying musical progression is unique to the Plant, and helps create a feeling of well-being.

Experiments with the Music of the Plants create awareness of how plants and humankind co-exist in nature. A small, portable device in the shape of a green leaf called "Plantunes" has now been developed by Damanhur in collaboration with US based researchers, so that it can be sold at a very reasonable price, making this experience available to everybody. Plantunes will create a connection for millions of people who desire to interact at a deeper level with nature. This product will serve as a catalyst to bring forth ecological awareness and, for those in the holistic field, the device will serve as a facilitator to help reach a meditative state of consciousness. It is a tool that offers a soothing, relaxing and pleasant environment