

• ***The Major Importance of Bioelectricity to the Future of Health***

The effectiveness of low-frequency specific waves and of bioelectricity has now been firmly established at both the clinical and the experimental levels¹.

One of the first to use electricity to heal fractures not responding to any other type of treatment was **Dr. Andrew Basset**, an orthopedic surgeon at Columbia Presbyterian Medical Center in New York.

Dr. Robert O. Becker of the Veterans Administration Hospital in Syracuse, N.Y. is also convinced that:

"It is time that the medical community accepted the idea that the ability to regenerate almost every kind of tissue - including the brain, the spine, the peripheral nerves, the fingers, entire limbs and organs - is now within the reach of human beings."

According to Dr. Becker, if we can understand the mechanism that stimulates and controls regeneration in the salamander, there is absolutely no reason that people should not be able to accomplish the same thing.²

In the course of his research on animals, Dr. Bassett learned that

electricity systematically doubles and even triples the growth rate of peripheral nerves in limbs.²

Dr. Marcus Singer of the Case Western Reserve University in Cleveland, Ohio, proved in turn that **in order for regeneration to occur spontaneously, nerve tissue must constitute at least one third of the total tissue mass of a limb.** In addition, his research indicates that if the mass of nerve tissue is large enough, the intrinsically induced continuous voltage may be enough to initiate complete regeneration before scar tissue is formed. **Dr. Singer also demonstrated experimentally that the application of low-level electric currents to a rat's forepaw causes the formation of a blastema;** he concluded that the blastema arose from nucleated cells in the bone marrow.²

The blastema is composed of nonspecialized cells that later specialize in order to regenerate muscle and bone tissue, as well as the peripheral nerves necessary to reconstitute the limb. This research has major implications for the study of regeneration:

Human beings have not lost the ability to regenerate! It is only the control factor which has been lost in the course of evolution. And everything points to the fact that bioelectricity is this missing control factor.

Dr. Walter Booker and Dr. E. B. Chung of Howard University in Washington, D.C. successfully "treat" burn victims using pulsed electromagnetic fields.² **This technique not only speeds the healing process, but it reduces the inflammation surrounding the burned area.** According to *Dr. Chung, the patients experience immediate relief after the very first session.*

Very often in medicine a new treatment is adopted if it is effective and does not cause undesirable side effects, even if the exact cause of its success is not fully understood.

Most experts agree that bioelectricity will soon hold a place of honour in the treatment of tissues with latent regenerative abilities such as bones, skin and peripheral nerves²; the potential of the RHUMART® wave is almost limitless (see the RHUMART® Index and the results of the CROP scientific survey).

The use of RHUMART® bioelectricity could engender an extraordinary revolution in the control of chronic illness and physical disabilities. *There is not one area of medical specialization that will not benefit from bioelectricity, this remarkable "regulator" of the life processes.²*

The use of low-frequency waves is also based on the following physical and physiological principles: **in many pathological states the membrane potential of affected cells differs from that of healthy cells. The magnetic fields traversing each of the body cells stimulate the tissular ions and the colloidal systems in such a way that they synchronize with the magnetic impulses³, and the membrane potential is thereby normalized. There is a resultant improvement in ionic dynamics and thus an improvement in oxygenation and cellular nutrition as well as a reinforcement of the natural anti-inflammatory mechanisms of the body.**