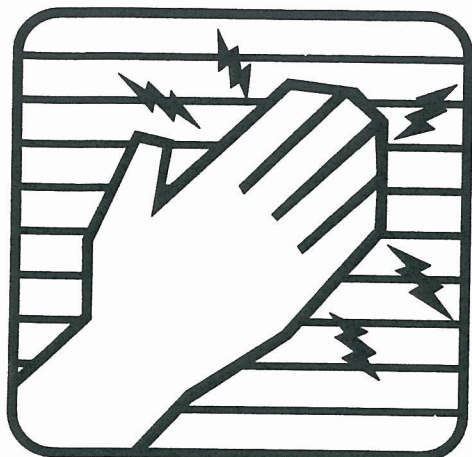


A Physicist's View of the Use of



Feeble Electric Direct Currents

To Repair Tissue and Replace Body Parts

Part One

By Gary Wade

In this article I am going to give a review of the essential aspects and results of Dr. Robert Becker's research group and the work of others, as was laid out in his book, *The Body Electric* which will supply the solid foundation needed to support a simple yet critical observation, which explains how, in general, to regenerate mammal body tissues, including the spinal cord.

Mammals are lacking a single simple tissue electric direct current "code", which would allow them to repair severe tissue damage such as an amputation. After severe tissue damage in mammals, all of the other needed biological repair processes are ready and just waiting for this electric direct current code. Complete tissue repair or replacement would then come as a natural course of events, following this direct current code. This direct current code can be simply and easily artificially supplied after severe damage or after surgically removing the scar tissue at an old amputation site. This direct current generates a physical chemistry process which has the net result of significantly increasing above normal the positive metal ion concentrations, lowering hydrogen ion concentration (higher PH), and decreasing the

negative chlorine ion concentration below normal in the saline plasma solution outside the cell membranes in the damaged tissue. These much higher positive ion concentrations and lower than normal chlorine ion concentrations in combination with nerve cell and other cell hormone secretions foster tissue repair and/or replacement. Though the direct current regeneration code can be simply and easily implemented in practice, the current allopathic medical system is not likely to implement it. The people who need this regeneration process will probably have to light a "fire" under the hind quarters of allopathic medicine's ignorant, arrogant, complacent, and corrupt leadership.

Some years ago I read the book *The Body Electric* by Robert O. Becker, M.D., and Gary Selden.⁽¹⁾ For me it was a fascinating book for it dealt with many of the electrical aspects of biology, in which I have a keen interest. Shortly after reading Becker's book, my sister informed me that a dear friend of hers had become a quadriplegic as a result of a gun shot to his neck. The perpetrator of this act had

been apprehended shortly after the shooting. It was learned that it had been a case of mistaken identity. This hired killer had mistaken Richard for his intended target. Because of Richard's tragic situation, I decided to see if there was something I could do about spinal cord damage and breakage. To do this, I would have to figure out the secret to repairing/replacing body tissue in mammals. Becker and his associates had essentially done all the needed experimental work, as was clearly laid out in his book *The Body Electric*. What was required was someone to put all the pieces together into a coherent approach to regeneration, which explained what was the critical factor to get tissue regeneration or replacement. Becker and his fellow researchers had even effectively done this. They had only failed to recognize a positive ion increasing concentration process, an increasing PH process, and a decreasing negative chlorine ion concentration process caused by the direct current which triggers cell dedifferentiation in certain cell types necessary for beginning the tissue regeneration process.

Figure 1A crudely illustrates the anatomy of the nervous system of the salamander. Even though there is a great

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