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# STEM CELLS

## THE SILVER CONNECTION

*The body can produce its own stem cells in the quantity it needs and direct them to wherever they're required, as long as a sufficient number of silver ions are present in the bloodstream.*

by Marvin-Lee Robey © 2008

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### A Modern Healing Miracle

**W**e continually pick up the newspaper or turn on the news and hear about the latest research on producing "stem cells". It may therefore come as quite a surprise to many to find that some of the leading medical researchers have proven that the highest-quality stem cells can be easily produced, both artificially and where and when needed. Not only that, but it has been proven that the human body and the animal body can predict exactly the number of stem cells needed to heal a wound. Under the right conditions, the body can produce exactly that number, use them all and have no extra left over! Amazing! Still more surprising is that you can easily do the same thing yourself at home.

So what is the big push for stem cells all about? The real search is for a stem cell production process that can be patented and thereby controlled and sold for a huge amount of money by the drug companies. If these companies can patent the process of producing these stem cells and then store, ship and inject them according to complex procedures and make big money in the process, and if the knowledge of how to produce them can be kept out of the hands of the common people, they can hold the fear of life or death over the sick and injured and dole the cells out at their price. They are the wizards holding the wands of healing.

Normally a cell can only reproduce as the kind of cell it is. A skin cell can only reproduce itself as another skin cell, but only of the skin layer that it is from. A heart cell can only reproduce a heart cell. A stem cell is a cell that has no tissue signature. It can become a skin cell, a heart cell, a lung cell, a bone cell, etc. It can become anything.

To understand the subject better, you need to know the difference between stem cells, undifferentiated cells and dedifferentiated cells. Stem cells have not become any particular type of cells. They usually come from an embryo, a foetus or an umbilical cord. *Undifferentiated* cells come from bone marrow, primarily from the femur. *Dedifferentiated* cells are cells that have been differentiated as red blood cells, skin cells, muscle cells, etc., but have changed into undifferentiated cells. Now they can become any type of cells needed. The only difference with the three types is their history. They are all the same as stem cells and have the DNA of the donor. For the sake of simplicity, they will all be called "stem cells" herein, except where the difference is important to understanding the subject.

Some parents have produced an embryo for the sole purpose of providing stem cells for a member of the family. Laboratories routinely produce embryos for making stem cells. The use of embryos and fetuses to source stem cells has become a hotly debated issue. The embryo may be killed in order to obtain the stem cells, which then can be used in other humans if the DNA is a close enough match.

The DNA is a big problem in that it is foreign to the stem cells recipient. A stem cell is like a donated organ: the immune system tends to reject it, therefore the immune system must usually be suppressed in order to accept it. And like a donated organ, the stem cell reproduces with its still-foreign DNA and the recipient's immune system will probably have to be suppressed indefinitely.

A strong immune system is certainly one of our most valuable assets. One of our highest goals healthwise is to build a strong immune system. Are we then to trade our immune system for the truly fantastic healing quality of stem cells and become permanently dependent on medication as a replacement for our immune system?

The body has some undifferentiated cells coming from the bone marrow and other tissues

all the time. So, in some hospitals, doctors are experimenting with separating these cells out of their patients' blood and making an embryo from the nucleus of each cell for implantation, or freezing the cells and saving them for planned future use. It's a very expensive process. However, assuming these cells are not damaged during freezing, they are of the patients' own DNA and the process has produced some impressive results. These stem cells can then be injected where needed. But this process can be expensive and time consuming—and the patients may not have much time left.

Recently, scientists in Wisconsin and Japan have reported success in taking some cells from a patient and injecting a genetically altered virus into them to produce cells which behave almost like stem cells and have the DNA of the patient. But so far, the cells thus produced are not the same as the patient's and it is doubtful that we will ever be sure that they are. Will they then reproduce defective cells?

It seems that without stem cells, the body can only heal by the tissue growing from the existing tissue of the same kind. Where a lot of tissue is missing, the healing tissue must grow from what is still there. Thus, where a large patch of skin is missing, the wound must heal from the edges inward. In an effort to heal where proper healing is not possible, scar tissue develops. Scar tissue is composed of deformed cells, and when they are worn out they reproduce themselves in the deformed condition. Thus, scars usually last indefinitely.

But there is a solution.

#### The Silver Magic Wand

You can make as many of your own dedifferentiated cells as you need! And they will contain your own DNA. It is very simple and easy. In the presence of silver ions, produced by "Bredig's process", the body dedifferentiates as many cells as it needs!

In his co-authored best-seller *The Body Electric* (1985), noted orthopaedic surgeon and research scientist Robert O. Becker, MD, reviews his experiments in attempting to regenerate full limbs in humans.

Although he ran out of research funds before he succeeded in fully accomplishing this, he did establish much in understanding healing processes. Basically, in seven years of research he found that a very low DC electrical current, run between a positive electrode and a negative electrode, produced a healing effect in bones. He experimented with several metals for his electrodes: gold, platinum, titanium, stainless steel and silver. The results with the silver were many times more effective than with any of the others. He proceeded to experiment to find out why. His findings were that the DC electrical current was drawing positive silver ions off the positive electrode, and that it was the silver ions that increased the healing so dramatically. Dr Becker showed that *in the presence of sufficient silver ions, the body would produce all the stem cells it needed.* Without the silver, it could not do so.

The technique known as "Bredig's process", invented by Georg Bredig in the 1880s, is the basic method by which I produce the product that I call "Colloidal Ionic Silver".

Medical science insists that a red blood cell cannot dedifferentiate because it has no nucleus. That seems like an obvious conclusion. Dr Becker was of this opinion to begin with—and yet, when he studied the changes in the production of stem cells in fine increments, he found that most of the stem cells came from red blood cells! An extended study revealed that a red blood cell has a nucleus before becoming a red blood cell. In the process of dedifferentiating, the red blood cell first redevelops its nucleus and then becomes dedifferentiated. Thus, when a scab forms over a wound it has all the potential cells to dedifferentiate, but commonly these cells do not do so. However, in the presence of silver, they *do* dedifferentiate.

In *The Body Electric*, Dr Becker devotes a whole chapter, "The Silver Wand", to the effects of "the amazing silver ion". The "silver wand" he refers to is his silver electrode. On page 175, Dr Becker states: "We may have only scratched the surface of positive silver's medical brilliance. Already it's an amazing tool. It stimulates bone-forming cells, cures the most stubborn infections of all kinds of bacteria, and stimulates healing in skin and other soft tissues. ...[T]here may be other marvels latent in this magic caduceus... Whatever its precise mode of action may be, the electrically generated silver ion can produce enough cells for human blastemas [the material that is produced from stem cells and becomes the healthy healed tissue]; it has restored my belief that full regeneration of limbs, and perhaps other body parts, can be accomplished in humans..."

Note that Dr Becker makes the clear statement that, with silver, "the technique makes it possible to produce large numbers of dedifferentiated cells" (page 175). Note also that these "dedifferentiated cells" (stem cells) would be of the patient's own DNA. If this is true (and I will show further evidence that it is), then why all the struggle to produce stem cells from embryos—and with the associated moral questions as well as expensive techniques? Could it be because it is so simple and safe that anyone can do it, even at home? It is already being done

by thousands of people in the alternative health field without their realising it. If the common people ever wake up to this, the medical establishment will lose billions of dollars.

Dr Becker describes in detail the healing of various patient with multiple infections of the bone and flesh that were not treatable by conventional medical practices but responded dramatically to these "silver ions", the product resulting from Bredig's process. He has written/co-written several papers and books on this subject, e.g., R. O. Becker and J. A. Spadaro "Treatment of Orthopedic Infections with Electrically Generated Silver Ions: A preliminary report", *J Bone Joint Surg Am* 197 Oct; 60(7):871-81.

#### Stem Cells and Cancer Treatment

Cancer researcher Gary Smith, MD, independently arrived at similar conclusion from researching cancer. In an unpublished letter, he states: "Success [in cancer treatment] depends on silver

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in the person's body. When silver is present, the cancer cells *dedifferentiate* and the body is restored... When silver levels are...non-existent, the cancer growth rate...continues...because the cells cannot dedifferentiate... I suspect a silver deficiency is possibly one of the reasons cancer exists and is increasing at such a rapid rate." (Emphasis added.)

Dr Smith suggests that it is natural to have enough silver in the body to produce all the stem cells we need, and that we do not have that silver because our food is grown or raised on depleted land.

A lot of the experimentation in stem cells at present is in the treatment of cancer, and the results are reported to be dramatic. We are now being told that the main problem is in obtaining sufficient stem cells to treat cancers. Some researchers are now collecting stem cells from cancer patients in a series of processes, freezing the the cells and then using them in later cancer treatment.

### The Power of the Medical Establishment

If we already know how to produce stem cells easily and with the patient's own DNA, then why aren't the scientists and doctors producing and using them this way? Dr Becker throws some light on this subject. Despite his most careful and well-documented research over a period of seven years, the medical establishment in general refused to pay any serious attention to his amazing results. Dr Becker suggests one reason for this is because of early research, going back as far as 200 years ago, where researchers using electrical currents in therapy were ridiculed and denied any examination of their work. Their research was completely unrelated to the chemical concepts of the day. Since electrical therapy in its then form had its problems, improved versions are rejected without consideration in this "enlightened" age. Indeed, the history of science is full of stories of "new developments" received with great enthusiasm but which had been made public long, long ago—the scientists of that time denigrated, their work refused examination.

Another reason why new research is not accepted by the medical profession is that virtually all the information doctors and legislators get concerning health topics comes from drug companies. Any idea that the common people can easily and safely produce and use their own stem cells is completely repugnant to the entire scientific/medical/pharmaceutical establishment. It would cost the establishment billions of dollars.

### Case Studies with Silver

Outside of medical research, what evidence do we have that this "ionic silver" will produce stem cells? We have reports on the experience of many users.

A good example is the injury to the thoroughbred filly shown in figures 1, 2 and 3. She ripped a hole, several inches in diameter, all the way to the bone. The vet said that the bone would certainly be

infected. If she was not taken to the horse hospital immediately to have the bone scraped and the wound thoroughly cleaned, the horse would not survive. Even then, he said, this would leave only a thin layer of tissue over the bone, with a depressed and scarred area and no hair. The horse would be ruined. The vet gave the owner an estimate of \$28,000 to save the animal, but the owner could not afford this high cost. Instead, the owner flushed out the wound with a garden hose, poured hydrogen peroxide from the grocery store into it, flushed out the wound again with a garden hose, and then flooded it with 20 ppm "ionic silver". A large wad of cotton was soaked with this solution, packed into the hole and held in place with an elastic bandage. The owner did this every day until the wound healed. The horse completely recovered, with not the slightest sign of a scar, and the hair grew back naturally.

Looking at figure 1, you can see the healing well under way

**"She changed the dressing daily and I moistened the dressing several times each day with ionic silver. We were both amazed how fast the wound healed. Instead of taking months to heal, this time it took 16 days."**

with what Dr Becker describes as "the granular growth over the bone" and even the "pink carpet". The new muscle has grown over the bone and it is also filling in from the sides, with no scar tissue. Note that almost no infection formed at any time, and the little that did was quickly treated.

One day, the filly chewed off the bandage, flies got into the wound and the wound was black with fly faeces—but that infection cleared up in a couple of days with no problems. In figure 2, you can see that the wound has almost healed. The white

spots on the hair are from hydrogen peroxide bleaching. The evidence is clear that the wound was healed by stem cells produced by the "silver ions", as Dr Becker describes. In figure 3 [not shown here], there is no sign of where the injury was. Even upon close examination, there is no way to tell where the wound was. The horse shows no limp or favouritism to the leg. It is as though the injury never happened. The horse was trained and ridden as a yearling and is now being trained as a jumper.

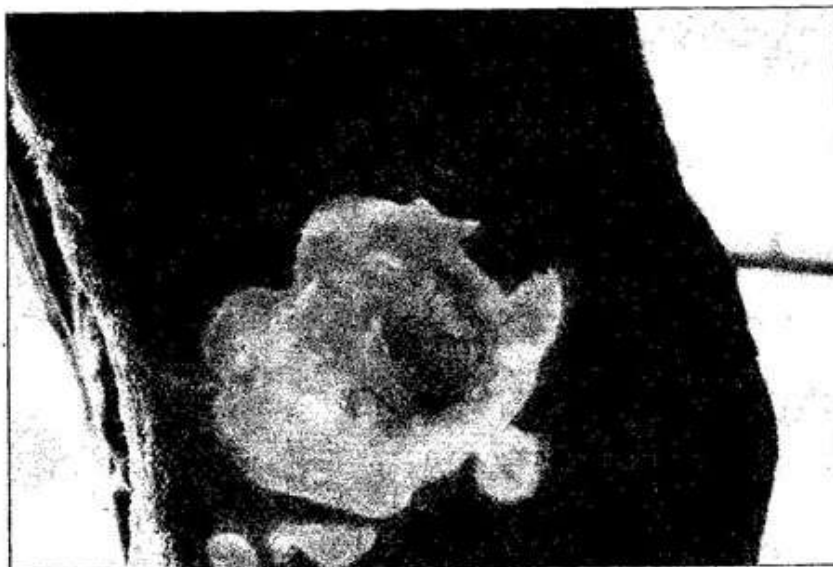


Figure 1. The filly's partially healed wound.

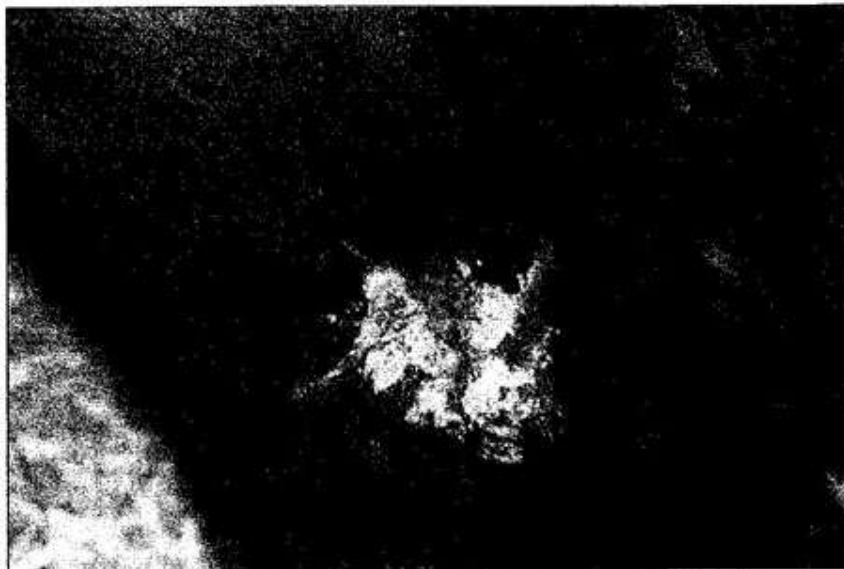


Figure 2. The filly's wound considerably healed.

Another case of interest is that of Betty S. of Huntington Beach, California (see figure 4). In her words: "...At age 89 my skin has become very thin and my body no longer heals as fast as it used to. I stumbled and scraped my arm against the wall, causing an abrasion about 2½ inches long and ¼ inch wide [6.4 and 1.9 cm]. It bled heavily. A medical aide changed the dressing and applied antibiotic cream daily. It took nearly four months to finally heal and left a large scar the size of the original wound.

"About two months after the first injury healed I stumbled again, causing a second wound of nearly the same size as the first. This time the medical aide used your ionic silver instead of antibiotic cream to treat the wound. She changed the dressing daily and I moistened the dressing several times each day with

ionic silver. We were both amazed how fast the wound healed. Instead of taking months to heal, this time it took 16 days. And, instead of a large scar, there was only a narrow reddened line where the injury had been. After several months the skin in the area of the wound has returned to normal. Unless you knew where I injured my arm, you would not be able to see where the wound had been..."

I have received a number of similar stories to these, but no accompanying pictures. I did receive word from a pig farmer in Japan that he had excessive deaths in his pigs and so began giving them "ionic silver". This brought the death rate way down, but also unexpectedly increased their growth rate dramatically. As a result, another pig farmer in Korea tried the silver in the drinking water of his pigs and his report was identical. Is this due to the stem cells produced, or to the killing of the trichinosis so common in pigs? I don't know. However, a couple of backyard

gardeners have experimented with using the silver on tomatoes. One of them reports that the treated tomato plants grew to three times the size of otherwise identical tomatoes, producing three times as many tomatoes than the untreated plant; the tomatoes were three times the weight individually and of better quality than the untreated. Is this due to stem cell production? Certainly these cases prove nothing, but they do raise questions and hint at the possibility that stem cells are produced in the same way in plants and animals.

#### History and Science of Silver

Silver has been recorded through history as a preventive and as a treatment for disease. Silver "scalpels" were used in surgery by the

ancient Egyptians. Copper was said to produce an uncontrollable decay of the flesh, and a wound from a copper sword was dreaded. During the Crusades, the knights carried a silver cup with them which many drank from, and it was said that a person could not catch a disease from another by drinking out of the same silver cup. Most of the super-wealthy used silver tableware, even though they could have had gold and even though the silver tarnished and the gold did not. Before the days of refrigeration, it was common to put a silver coin in a bottle of

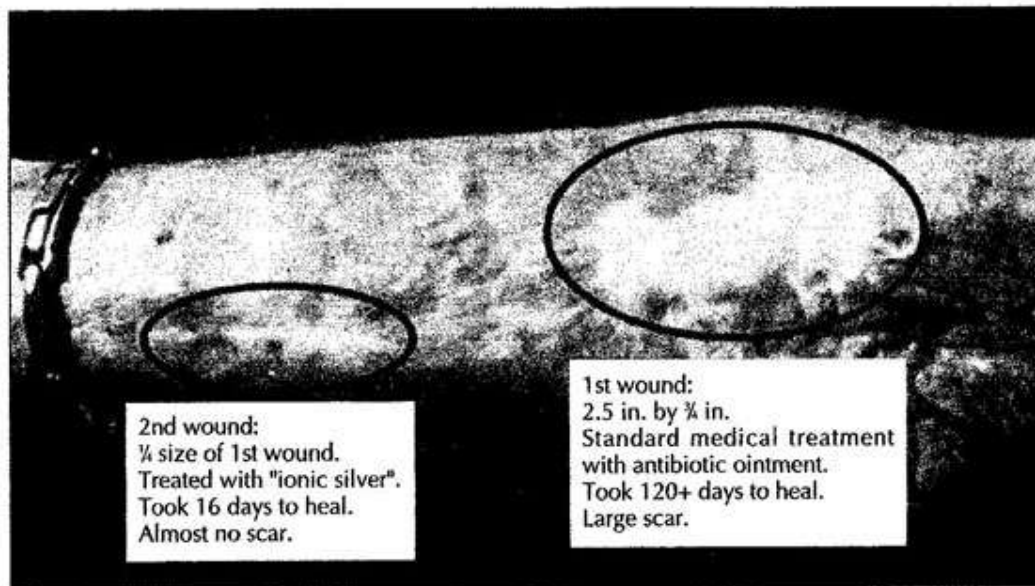


Figure 4. Betty's arm wounds: The wound on the right was treated by a doctor, but took 120 days to heal and left a huge scar. On the left, a similar-sized wound, treated with "Live Silver", healed in 16 days with little scarring.

milk to prevent spoiling. Until very recent times, doctors used silver when necessary to hold bones together and to cover holes in the skull.

Almost 200 years ago, doctors learned that they could grind silver into a fine powder, much like flour, and use it to treat otherwise incurable diseases such as syphilis. Doctors usually avoided using it, however, because it commonly produced argyria, a permanent bluing of the skin. Silver nitrate was also commonly used as a disinfectant. The negative nitrate ion is poisonous.

Around 1880, scientist Georg Bredig developed a process for producing a much superior product by placing two silver electrodes underwater, causing an electrical arc between the electrodes. He used a very high voltage (thousands of volts) to produce this arc, which ate away the silver to form a silver colloid of very small particle size in a positive ionic form (an ion is an electrically charged atom). This product did not cause argyria and was much more effective than the powdered silver or silver nitrate. Bredig's silver did have two disadvantages, however. First, the extremely high voltage could be quite dangerous, especially around water. Second, the process was extremely slow.

As a result, the pharmaceutical companies preferred to produce and sell more easily obtainable silver salts, preferably silver nitrate. They went so far as to convince several governments to bring in legislation requiring it to be used in every newborn baby's eyes, to prevent blindness caused by infection from the mother during birth. However, silver nitrate has severe problems. It attacks the flesh and stains everything it touches black, the stain being very hard to remove. It had to be used carefully or it would attack the eyes and itself produce a permanent blindness. Some people believed it always damaged a baby's eyes to some extent, and it was often said that a baby treated with it had duller eyes than those not treated.

The continued use of silver nitrate and occasionally ground silver by doctors gave silver a bad reputation, and it was considered a treatment of more or less last resort. Then came the antibiotics with a huge push from the drug companies. While the silver could treat almost every strain of bacteria, viruses and fungi effectively, the new antibiotics treated only certain bacteria. An exact diagnosis was often required before the proper antibiotic could be prescribed.

The silver had another very strange and desirable quality which the antibiotics did not: it was very selective in the bacteria it killed. It distinguished between the beneficial and the unfriendly bacteria and only killed the unfriendly bacteria! Unfortunately, the medical field took up Pasteur's finding about bacteria and their relationship to disease and built their unquestioned science around disease as a product of bacteria. Their general attitude was that all bacteria are to be avoided.

It is now well known that many bacteria are essential to good health. It is also known that very few bacteria will cause disease unless something in the person is badly out of balance. There is far more money in treating the symptoms of disease than in treating the cause. Still, the general attitude of doctors is to "kill

the bacteria", and that is what antibiotics tend to do. The use of antibiotics often results in the killing of essential bacteria in the digestive system and probably other parts of the body. For its chemical production, the liver often uses certain bacteria, just as the pharmaceutical companies do. Antibiotics kill indiscriminately.

While the medical doctors treated fungi and viruses effectively with silver before the days of antibiotics, once antibiotics entered the picture the medical field then took the position that viruses and fungi are untreatable. They gave their antibiotics to patients for viruses, although all official positions were that antibiotics would not treat viruses. In more recent times, the drug companies have developed antifungal products, but these are well known to be very hard on the liver and of minor effect. Even such substances as iodine and mercurochrome kill indiscriminately and usually attack the flesh to some degree. The right silver product, instead, is very healing.

### Developments in Production

In more recent times, a process of producing "ionic silver" by a very-low-voltage current has been developed. I have been working to improve this procedure for 14 years. It is a very safe version of Bredig's process. Unfortunately, it has one problem: if water containing any impurities is used, the silver often combines with the impurities to produce undesirable products—but without the impurities, the water will not conduct the necessary electrical current to produce the silver in the water.

As a result, many people are producing a product by this means, using common table salt as an electrolyte. This largely produces silver chloride, which is insoluble in water and therefore collects in the tissues. When used in large amounts, silver chloride will produce that discolouration of the skin known as argyria. Perhaps you have seen pictures of "the blue man" on TV or in the news. He was producing his silver in this manner and drinking it

like water over a long period of time.

Another common form is a "silver protein", a mixture of silver and gelatin or other protein. It is often used by medical researchers because it is convenient for them, while the production of high-quality "ionic silver" is not. Silver proteins can be produced easily and cheaply in high concentrations. They are often promoted as having very high parts per million and therefore assumed to be very effective. The high concentration is largely the protein rather than the silver content. Therefore, the surface area covered by the silver is small, reducing the effectiveness.

For 14 years, my daughter and I have been selling an automated "ionic silver" generator which works quite well using only distilled water. We have sold well over 6,000 of these, and not one customer has ever complained of any discolouration of the skin. We talk on the phone with customers a large part of the time and

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no medical problem has developed that we are aware of—although the FDA has continually warned our customers that they would turn blue! The difference in action between these various substances, all referred to as "colloidal silver", is difficult to debate—but the results are not. All of them produce some beneficial results. But there is a difference, and even more so in the case of producing stem cells.

I now have one patent on this process, and another pending which makes production from pure water practical and computerises production to an exacting concentration.

All fluids in humans, animals and plants are in ionic form. Alfred B. Searle, founder of Searle Pharmaceuticals, did extensive research on silver in the early 20th century. In his book *The Use of Colloids in Health and Disease* (1919), he states: "Applying colloidal silver to human subjects has been done in a large number of cases with astonishingly successful results." A very interesting concept that he brings up is that silver in the ionic form is especially effective because bacteria have a negative ionic charge and therefore the

silver latches onto them, like steel to a magnet, suffocating them. More interestingly, he stated that the "ionic silver" attaches itself to toxins, which also have a negative ionic charge, and this attachment aids in removal of the toxins.

Such products as "colloidal" and "ionic" silver, DMSO and its derivative MSM, all produced through modern science, as well as all the very effective health products of our ancestors are increasingly being taken up by people who want to treat themselves effectively without resorting to pharmaceutical drugs with dangerous side effects. Furthermore, the bacteria phobia foisted on the public through schools and the news media is beginning to lose its hold. ∞

### **About the Author:**

Marvin-Lee Robey grew up on a small farm with a woods and small creek. His father, having a degree in electrical and mechanical engineering from Purdue University, taught him many things about science and nature. By the age of 12, he had completed an elementary course in composition of forces and passed a school test in geometry,

developing the formulas from his own logic. At 16, he won the Bausch & Lomb Honorary Science Award. By this time, he had become very disillusioned with formal education and thought that what was taught was wrong as much of the time as it was right. He decided to educate himself rather than spend years in university. The result is a wealth of uncommon but important knowledge.

Mr Robey can be contacted by email at [robeysilver@verizon.net](mailto:robeysilver@verizon.net). Visit his websites <http://www.live-silver.com> and <http://www.candid-x.com>. See our review of his book *A Miraculous Health Substance* in this edition.

### **Editor's Note:**

It is important to note there are many quite different products on the market that are called "colloidal" and "ionic" silver, but they may not actually contain colloids and ions and some may have negative effects. Look for products made by Bredig's process, and check that they have positive effects. The author claims that his product works, and many of his clients report successful results. See Editorial and Letters in this edition.