

\$6.50

COLLOIDAL SILVER FACTS

Another in the Life Sources' Client Education Series

This pamphlet is complimentary to Life Sources' clients.
This pamphlet may be purchased by the general public from:

Life Sources, Inc.

5006 Sunrise Blvd., Ste.101

Fair Oaks, California 95628

916-536-9930

www.life-sources.com

The information contained in this booklet is for educational purposes only. It is not to be considered medical advice, prescriptive or diagnostic. See your physician for qualified health care.

Colloidal Silver - A Healthy Silver Lining

Colloidal Silver is still in the news. Nature's alternative to antibiotics kicks bacteria. It is a modern day NATURAL "wonder drug" that kills bugs, germs, nasty beasties, as well as the evil super-germs. Research shows it to be effective against HIV, Streptococcus-A, gonorrhea, Salmonella Typhi, cancers, chronic fatigue, yeast infections, sinus infections, gum disease, and hundreds of pathogens and ailments. Research continues to exhibit positive results on testing of a variety of germs. The colloidal particles progressively diffuse throughout the blood and give prolonged therapeutic response. Thousands of people enjoy the benefits of using colloidal silver. The CS healing potion is used both internally and externally. It is a tremendous benefit to apply CS to wounds, body piercings, and skin eruptions such as acne. It can be applied to eyes and other delicate mucus membranes with no irritation because it is extremely gentle and doesn't sting.

How Does It Work?

Colloidal silver kills invading microbes by dissolving an enzyme that metabolizes oxygen of primitive organisms. This process is an electrochemical reaction. The cell can't breathe, then suffocates and dies. That's why it works on all types of germs, including the super-germs. Metallic and chelated minerals carry a positive charge, but colloidal bioelectric minerals carry a negative charge. Therefore, another way colloidal silver inhibits germ growth is that the negative charge on the colloidal silver clusters binds up with the positive charge on the pathogen. This causes an interruption of the biological function of the organism, which then cannot reproduce. It fizzles out. Voila, no more germs. What does this mean? For one thing, it means that we are fortunate to have available to us, at a very nominal price, a germ killer that is completely safe. It empowers us to get off of the antibiotic merry-go-round that is so popular, yet disturbingly over-prescribed. It means we have a choice. We have a healthy alternative. With proper cleansing, herbs, and natural healing, everyone can be free of disease - without drugs, and without spending a fortune. We have hope.

Intestinal Flora & Fauna

Former teacher of physics and chemistry, Howard Mitchell of Virginia, recently conducted a series of experiments with colloidal silver. He found that CS has no effect on acidophilus, the "good bacteria" found in the stomach. Mitchell used concentrations forty times higher than what might be expected to destroy other forms of bacteria. It shows that even in large dosages, the intestinal flora will flourish. In fact, there is speculation that the silver ions may be advantageous in stimulating a vigorous growth of beneficial bacteria, helping to boost the immune system. This is good news! Some people experience diarrhea when they ingest too much CS. No problem, they cut back on the amount of CS, and the lactobacilli counts return to normal within 12 hours without any intervention.

Silver Luster of Global Potential

Colloidal Silver is being used worldwide. As Robert O. Becker states in his book (page 167), *The Body Electric*, "Of course, the germ-killing action of silver has been known for some time the Soviets use silver ions to sterilize recycled water aboard their space stations. It kills even antibiotic-resistant strains, and also works on fungus infections." NASA also chose a silver water filter system aboard the space shuttles. More than half the world's airlines use silver water filters.

The Japanese are really on the forefront of the CS explosion. Japanese firms use silver to purify air, converting carbon monoxide to harmless carbon dioxide. They also use CS, replacing toxic chlorine for scrupulously washing foods, such as raw chicken. Chlorine has many dangerous side effects, yet is widely accepted and used everywhere. It's nice to see alternatives are now being considered and used. Also in Japan, silver thread is sewn into some clothing to protect from the sun's ultra-violet rays. In Israel, bandages of colloidal silver are used on burn victims because the CS promotes healing and regeneration. There is a city in England that uses CS to sterilize their city water.

Plants & Animals in Silver Halo

Many testimonials have been shared and documented about the benefits people have found using colloidal silver for their beloved pets. Eye infections, cuts, abscesses, stomach ailments, skin rashes, the list goes on and on. Colloidal silver has been used to successfully treat cats, dogs, pigs, horses, birds, and every kind of pet. Because CS is simply added to the pet's drinking water, it is very easy to administer. Animals seem to love it. You can't really overdose with colloidal silver, so it takes the worry out of prescribing. The usual dose would be a teaspoon per average bowl of drinking water. Gardeners have started using colloidal silver on their plants. Good results have been seen with herbs and vegetables, as well as flowers. Some report larger, more attractive veggies. It is used on common plant problems with a high rate of success. It is a good idea to add a spoonful of CS to a vase of cut flowers to help the flowers last longer. It really works!

The Argyria Controversy

So why all the negative press? There are reports circulating about the negative side effect of colloidal silver called Argyria. What is it? A discoloration of the skin caused from an over-exposure to silver metal or ingestion of inferior colloidal silver solutions made many years or so ago. The silver metal dust was retained in the body tissue and subsequently, after many years, in less than one percent of the people treated, turned the skin a grayish blue color. There is a woman on the web who is touting the danger of colloidal silver. She is definitely showing a bluish hue to her skin. She wants others to know the "danger" involved. The woman on the web definitely was not given colloidal silver that was manufactured by electricity. She either ingested a compound, silver nitrate (which is a dangerous poison), or a solution made by the Grind method. Not to go politically ballistic, but who is funding this woman? According to Kenneth Feather, an FDA Official, "It's probably shocking to people who don't know, to find the almost total control that the pharmaceutical industry has over the flow of information." It makes one wonder about the "Medical Mafia." Isn't it interesting that a new pharmaceutical drug

advertised on TV and the radio lists side effects such as dizziness, diarrhea, cramps, etc. - a very long list - and yet is endorsed and sanctioned by the FDA and the AMA. What is that about? They monopolize the health care industry. It's a money game. Colloidal silver is public domain, so there is little money to be made from it. And of course, the media loves controversy. The journalists who write negative press about colloidal silver have obviously not done any research or experimentation. These negative reports are nothing but scare tactics. The colloidal silver that is made today via the electrolysis method does not cause Argyria. There is NO silver retention with colloidal silver. As a matter of fact, the silver ions pass quickly out of the body. New evidence supports the safety of colloidal silver. Although the normal dosage is anywhere from one teaspoon to one ounce per day, there are some CS users who drink 8 ounces or more daily with no side effects whatsoever.

-By Dhyana L. Coburn

Colloidal Silver, a necessity for good and bad times.

(Reprinted with permission from: Preparedness Journal)

You have food reserves to get you through an emergency. Some water. Probably some gold or silver. Maybe some defense weapons. But medical help will probably be no more available than food, and under these conditions, disease and infections will probably be rampant. Ordinary first aid supplies are obviously not enough. But there is good news and it's called "colloidal silver". From the time man first learned to work with silver he has known that it prevented the spread of disease. Thus the wealthy people had silver drinking cups, silver tableware and utensils. Even those who could have had gold, which does not tarnish, usually chose silver because it promoted health. In the days before refrigeration, farmers tossed a silver coin in a bucket of milk to preserve it. Chemists put a silver dime in their petri dish to sterilize it. For hundreds of years it was common practice to place a silver wire in an infected wound that refused to heal.

Eventually man learned to make silver nitrate and use it in wounds and drink it as an antibiotic. But silver nitrate is caustic and burns tissues much like iodine. Also, heavy use of silver nitrate accumulated in the skin turning it dark, a condition which became known as Argyria. Still, it was an effective treatment of disease and that was more important than Argyria

Almost every state in the union passed a law requiring every licensed doctor attending the birth of a baby to treat the baby's eyes with silver nitrate. This eliminated blindness due to venereal disease which had been fairly common. Unfortunately, minor damage to the eyes from the silver nitrate is very common and blindness from too strong a dose of silver nitrate does happen.

In the early 1900's research proved silver to be effective against hundreds of pathogens of widely different kinds. Other silver compounds were used, which were not caustic and did not cause argyria. Then it was found that smaller particles of silver could be produced by precipitating it out of chemical compounds of silver. These were more

effective due to the fact that there were hundreds of times as many particles of silver from a given amount of silver.

Eventually it was learned that silver could be reduced down to its atomic size with a positive electrical charge by using an arc under water. This is called "Breddig's Process." This now produced thousands of particles for each one that was produced by the best grinding. It also added a positive charge which increased its effectiveness noticeably more. Furthermore, no detrimental side effects have ever been shown. It did not cause argyria, even in prolonged large dosages. It was not caustic and instead promoted healing in general. No allergic reactions were ever reported. It was highly effective for most infections of every kind. This is known as "colloidal silver." It could be produced inexpensively, but brought a good price from those who needed it and did not know how to produce it. The word "silver" immediately brings the thought of "very expensive" to people's minds.

But it did not keep well in warehouses and on drug store shelves because of its affinity for oxygen and its positive electrical charge which dissipated with age and the electrical charge proved to noticeably increase its effectiveness for most uses. Although pure colloidal silver is as clear as water, in the presence of oxygen it turns yellow and finally dark brown. Add a little light and it quickly turns black.

Then came penicillin and sulfa, which could be patented and were therefore well worth advertising. These were soon followed by continuous new antibiotics from the pharmaceutical companies. Each one is considered effective against certain pathogens, usually no more than half a dozen. Unlike silver, almost none of the antibiotics are effective against virus, yeasts or parasites.

The chemical antibiotics do keep well and they are usually as effective after long storage as when first produced. This, plus the fact that they could be patented, while silver could not, and therefore the producers could afford to promote them heavily, have been major factors in the general adoption of the antibiotics.

However, the antibiotics soon proved to have various side effects of varying degrees of danger. Some of the side effects are almost always experienced, while most only appear occasionally. But some of those occasional side effects are as serious as death. There are thousands of patients a year who die of an allergic reaction to penicillin, generally considered to be among the safest and most proven antibiotic. A frightening thing about this is that many of those deaths are to patients who have taken penicillin many times in their life and were not aware of any problem before.

Soon after the new antibiotics were introduced it was found that certain bacteria they were effective against developed immunity to the antibiotic. Some developed immunity very quickly, while others did so very slowly. Today many of the diseases that were thought to be easily treated by antibiotics are no longer treatable, even by new antibiotics. The researchers are running out of new replacements, leaving those diseases untreatable.

These problems now have the whole medical profession concerned, some to the point of panic. The March 28, 1994 issue of Newsweek featured a six-page article, "Antibiotics, The End of Miracle Drugs?" The rise of drug resistant germs is unparalleled in recorded history", according to Newsweek. "Penicillin and tetracycline lost their power over staph back in the 1950's and 60's. Another antibiotic, methicillin, provided a backup for awhile, but methicillin-resistant staph is now common in hospitals and

nursing homes worldwide... trying to cripple bacteria's defenses...will not do more than buy us five to ten years. . . A better strategy might be to abandon antibiotics altogether in favor of different kinds of drugs." How about abandoning drugs altogether in favor of the natural silver? (Some silver colloid is found in some foods naturally)

The September, 1995 issue of Time magazine featured an article titled "Revenge of the Killer Microbes". "Faced with AIDS, and with an ever increasing number of antibiotic-resistant bacteria, doctors were forced to admit the medical profession was actually retreating in the battle against germs. The question ceased to be when will infectious diseases be wiped out? And became, where will the next deadly new plague appear? . . . Humanity once had the hubris to think it could control or even conquer all these microbes. But anyone who reads today's headlines knows how vain that hope turned out to be. New scourges are emerging-AIDS is not the only one. . . older diseases like tuberculosis are rapidly evolving into forms that are resistant to antibiotics, . . . In 1992, 13,300 hospital patients died of infections that resisted every drug doctors tried." (Some of these patients caught the infections in the hospital)

But Science Digest was way ahead of Newsweek and Time, in an article in March 1978; "Our Mightiest Germ Fighter". Science Digest already saw the problem and had the solution! In this article, Jim Powell stated: "Thanks to eye opening research, silver is emerging as a wonder of modern medicine. An antibiotic kills perhaps half a dozen different disease organisms, but silver kills some 650. Resistant strains fail to develop. Moreover, silver is virtually nontoxic."

The article further relates how Dr. Carl Moyer, Chairman of Washington State university's Department of Surgery, received a grant to develop better treatments for serious burns. Dr. Harry Margraf was Dr. Moyer's chief biochemist on this project. With their staff of medical researchers they tested 22 antiseptic compounds and rejected them all. The problem was that infections in burns often failed to respond to antibiotics. Most antiseptics have a very caustic nature, actually destroying the delicate new tissues and are very painful. The greatest problem was the bacterium *Pseudomonas aeruginosa* which is particularly infectious to burns and does not respond to any antibiotic or antiseptic.

It was found that silver had been used effectively for hundreds of years in one form or another to treat infection and unlike the newer antibiotics, silver had well proven itself to be totally non-toxic at all concentrations. In all the hundreds of years of use, no pathogen has ever developed immunity to silver.

They tried silver nitrate which is used in babies' eyes. It proved to be corrosive and painful. It also stained everything badly and upset the body's balance of body salts. Other compounds of silver were tried. Finally colloidal silver was proven to be the most effective, to have no side effects and the burns healed relatively fast with it. They then developed a salve from colloidal silver known as "Sulfadiazine", marketed under the brand name "Flamazine. Since then it has been the standard medication for burns. It has been proven to heal burns considerably faster and to greatly reduce scarring.

Another entirely unrelated line of research that guided the new thinking concerning the treatment of infections and especially wounds was published by research scientist, Dr. Robert O. Becker in his classic book "The Body Electric". Dr. Becker was researching ways to heal difficult broken bones, and especially the possibilities of growing whole new limbs to replace arms and legs too badly injured to save. While experimenting with

the use of very small currents to stimulate growth, he found that silver electrodes were much more effective than any other metal and some of his experiments only worked with the silver. After considerable success in stimulating bone growth in animal experiments, Dr. Becker tried his new methods on a human patient, one who had no other choice but the amputation of his leg.

The man's broken right tibia and fibula both refused to heal and there was a huge open wound with five kinds of infection after a year and a half of efforts by his doctors.

Antibiotics were of no help. Dr. Becker states:

. . . I debrided the wound, removing the dead tissue and all grossly infected or dead bone. There wasn't much left afterward. It was an enormous excavation running almost from his knee to his ankle. In the operating room we soaked a big piece of silver nylon in saline solution and laid it over the wound. . . wrapped the leg, and connected the battery unit." About a week and a half later, Dr. Becker tells us: ". . . all of our bacterial cultures were sterile—all five kinds had been killed." The battery attached to the silver nylon produced colloidal silver, as Dr. Becker later explained. The colloidal silver quickly killed off all five kinds of bacteria the antibiotics had failed to kill in a year and a half. Dr. Becker continues: "The soft healing tissue, called granulation tissue, was spreading out and covering the bone. In two weeks, the whole base of the wound, which had been over eight square inches of raw bone, was covered by this friendly pink carpet. The skin was beginning to grow in too, so we could forget about the grafts we thought we'd need to do.

"I decided to take an X-ray to see how much bone he'd lost." (He had expected the bone to start withdrawing before it started re-growing). "I could hardly believe the picture. There was clearly some bone growth! . . . I removed the cast, felt the leg, and found that the pieces were all stuck together. John watched, and when I was done he lifted his leg into the air triumphantly."

Dr. Becker states on pg. 167; "of course, the germ-killing action of silver had been known for some time. . . the Soviets use silver ions (colloidal silver, editors note) to sterilize water aboard their space station . . . it kills even antibiotic-resistant strains, and also works on fungus infections."

These two developments suddenly started researchers all over the world looking at silver in a new light. UCLA ran tests on colloidal silver and reported: "The silver solutions were antibacterial for concentrations of 10 to the 5th power of organisms per ml of streptococcus pyogenes, Staphylococcus aureus, Neisseria gonorrhoea, Gardnerella vaginalis, Salmonella typhi, and other enteric pathogens, and fungicidal for candida albicans, Candida globata, and M furfur."

Alfred Seale of Searl pharmaceuticals stated; Applying colloidal silver to human subjects has been done in a large number of cases with astonishing results. For internal administration, orally or hypodermically it has the advantage of being rapidly fatal to parasites without the toxic action on its host."

Then there are the actual results of many users of colloidal silver, perhaps not scientifically established, but authenticated by personal experience. For instance, Dr. Bjorn Nordstrom, of the Karolinsky Institute, Sweden has been using silver in his cancer treatments for many years. He says this brings rapid remission in patients given up by other doctors. How do we explain this? Some scientists speculate that cancer is caused by a virus, but no substantial evidence of this has been established, except in cats.

Does silver cure cancer by attacking the virus that causes cancer? Probably not. Rather, its curative qualities seem closer related to its strange ability to heal injured tissues without scarring. Cancer researcher Gary Smith says he has noticed a correlation between low silver levels and sickness. He found people who have low silver levels to be frequently sick and to have frequent colds, flu, fevers and other illnesses. He states. "Success (in cancer treatment) depends on silver 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."

A full list of the results of such experiments in some of the best medical laboratories in the world is too extensive to list here.

After extensive experiments with re-growth of body parts and the healing of bone, Dr. Becker was led into other experiments with colloidal silver. Among his experiments were the effects of silver on cancer. On pg. 178 of the Body Electric, Dr. Becker states ". . . silver, which when negative had no effect on, and when positive suspended, mitosis of cancer cells in our lab." It is the positive silver ion which we call colloidal silver (Ag^+). The colloidal silver stopped the cancer growth. Other metals did not. Dr. Becker was unable to obtain the funds to continue his promising cancer research. However, he did draw a personal opinion that the effective quality of colloidal silver in both the stimulation of bone, muscle and skin growth, was its ability to cause cells to dedifferentiate when needed, just as Dr. Gary Smith concluded.

All of this makes colloidal silver perfect for survival conditions. It has such a broad spectrum of effectiveness (practically all bacteria, virus, yeasts, molds, parasites) and at the same time has a miraculous healing quality. Most people taking it orally say they feel better and notice more energy. It even prevents plaque from forming on teeth. Therefore, an exact diagnosis is not required as with antibiotics. If the mouth is rinsed with one ounce daily and then swallowed, the plaque is stopped, gingivitis is soon healed, the breath is sweet, colds and flues are gone, candida is soon cleared up, yeast infections of the blood disappear, and the immune system is restored! Internal surgeries heal much faster and with much less scarring!

But some of the best news is that now we have learned that colloidal silver can be produced very easily and very inexpensively electrically. The definition of "colloidal silver" is "one atom of silver with a positive electrical charge" and it is written Ag^+ . With a modern, low cost colloidal silver generator, all that is required to produce the finest colloidal silver of known quality, concentration and freshness is to fill a bottle with distilled water, press a button, wait about half an hour until the generator signals it is done. It is then ready when you are.

Colloidal silver can be used orally, topically, by enema, douche, or by a doctor intravenously. The exact dosage is not critical because it is non-toxic at virtually all levels. However, common practice is to start orally with about one ounce a day at 20 parts per million as a maintenance dosage. When treating a chronic internal condition, that dosage could be doubled each day until a dosage of four ounces in the morning and four ounces in the evening at 20 parts per million is reached. Always watch for a rash breaking out on the skin when first taking colloidal silver. This is not an allergic reaction or a side effect in the common sense. It is usually caused by killing off yeast in

the blood or intestines so fast that the body cannot properly dispose of them. It is a healthy sign but may be very uncomfortable due to itching. Furthermore, you do not want to overload the body's cleansing abilities. Therefore it is best to reduce the intake of colloidal silver when this occurs. When the rash disappears, as it normally does in a day or so, gradually increase it.

Colloidal silver is especially valuable in case of disaster as well as whenever camping or traveling because the water often cannot be trusted. One ounce of colloidal silver at 20 parts per million in one quart of water assures the safety of the water for drinking. It is the finest disinfectant known, being totally non-toxic and non allergenic as well a non-caustic. Used on the scalp, it stops most cases of itching. It is great for the hands and face and reduces skin wrinkling over a period of time. It heals warts (virus), athlete's foot, and nail fungus. It effectively treats many skin rashes although some rashes get worse before getting better.

Colloidal silver is rapidly being adopted into several areas of agriculture. In a news release from Orem Utah, we read: "Mastitis has been curable for quite some time using antibiotics. The only problem was that during the cure, the cows often went off feed, sometimes suffering from a high fever, and their milk had to be thrown away. Not long ago, some dairy farmers in Wisconsin tried a new product (colloidal silver) that has had some astonishing results. Not only do the cows not go off feed when administered this product, their udders don't swell and they don't get high the fevers usually associated with mastitis. And the best part is that the milk doesn't have to be thrown away during treatment as with antibiotics."

In fact, when the dairymen found out what colloidal silver could do without any side effects a large segment of the dairy industry soon began wading the cows through pools of colloidal silver to and from each milking to cure the serious problem of hoof wart, changing the water daily and then began putting colloidal silver into all the drinking water. One dairyman called me wanting equipment to produce 33,000 gallons of colloidal silver a day! Farmers take better care of their livestock than they do their families.

Treating the soil around young plant roots makes them grow more vigorously and healthier. Spraying leaf fungus with colloidal silver is highly effective and very economical. Furthermore it does not leave any toxic residue on the plant or fruit and its effects are more lasting than most sprays.

Don't go camping or to foreign countries without your colloidal silver.

If you don't have colloidal silver ready, YOU AREN'T PREPARED!

News Article written by Marvin Robey

(Marvin Robey is one of the premiere researchers in the field of Colloidal Silver.)

"What Exactly Is Colloidal Silver?

So, what is this "silver ion"? Well, it's really more commonly known as "colloidal silver". It is presently available in health food stores and by mail order suppliers. Simply put, it is extremely minute-sized silver particles suspended in water, with a positive electrical charge. The smaller the silver particles, the more effective it has been proven to be. The

best colloidal silver is produced at the molecular level. A small D.C. current is passed through an electrolyte with silver electrodes. Minute, molecular sized particles are drawn off of the positive electrode, having a positive electrical charge. This electrical charge is of primary importance to healing and anti-bacterial qualities. The charge slowly dissipates, and therefore the freshness of the colloid is important. The electrolyte may be colloidal silver itself but is usually sea or table salt, although this produces some silver chloride which is an impurity to the colloid but not serious. Some producers use a protein or some other stabilizer to keep it in suspension, while others add a tea, food coloring, or other substance which hides the true quality of the colloid. However, if the quality is good these are not necessary and are usually a sign of poor quality.

Silver has been known to be a bactericide for at least 1200 years. Even in ancient times, it was known to prevent disease and it was said that disease could not be transmitted by drinking from a silver cup. Silver coins were commonly dropped into a jar to prevent the spoilage of milk and other drink, and silver containers were used to prolong the freshness of foods in general. Even today, we commonly call all tableware "silverware" although today it is more commonly stainless steel. Until almost 1970 it was common usage for scientists to put a silver dime in a petri dish to sterilize the dish. Silver was long used for plates for the surgical repair of bones.

In the 1920's, 30's and 40's, silver was ground very fine like flour, suspended in water and was used orally for many infections and disease conditions, topically on burns, and for fungal infections. Over 650 bacteria, virus, and fungi were considered treatable with this silver in 1938. With the development of the patented antibiotics, silver was forgotten in the United States and most other places, although the antibiotics are only effective against bacteria, not viruses, yeast, or fungi, as is silver. Now, with the greatly improved modern colloids, the tables are turning and silver may be the most effective treatment. The 1994 issue of Newsweek featured a six page article, "Antibiotics, The end of Miracle Drugs?" as the cover story. "The rise of drug-resistant germs is unparalleled in recorded history," according to the article. "Penicillin and tetracycline lost their power over staph back in the 1950's and 60's. Another antibiotic, methicillin, provided a backup for a while, but methicillin-resistant staph is now common in hospitals and nursing homes worldwide...Trying to cripple bacteria's defenses...will not do much more than buy us five to ten years... A better strategy might be to abandon antibiotics altogether in favor of different kinds of drugs." Not a very pretty picture.

The September, 1995 issue of Time Magazine featured an article titled "Revenge of the Killer Microbes." Sounds like a science fiction thriller, doesn't it? But Time was serious. "Faced with AIDS, and with an ever increasing number of antibiotic-resistant bacteria, doctors were forced to admit that the medical profession was actually retreating in the battle against germs. The question ceased to be, 'When will infectious disease be wiped out?' and became 'Where will the next deadly new plague appear?'...Humanity once had the hubris to think it could control or even conquer all these microbes. But anyone who reads today's headlines knows how vain that hope turned out to be. New scourges are emerging -- AIDS is not the only one -- and older diseases like tuberculosis are rapidly evolving into forms that are resistant to antibiotics,...In 1992, 13,300 hospital patients died of infections that resisted every drug doctors tried."

The basic problem is simply that bacteria have a tremendous ability to adapt to substances. They can and do mutate to overcome antibiotics. When the antibiotics

destroy the bacteria which are susceptible to them, they can clear the way for the resistant bacteria to move in uninhibited.

Still another problem that has plagued the medical profession from the beginning with modern antibiotics has been that beneficial bacteria and organisms play various important, natural functions in the body. Antibiotics often play havoc with some of these friendly organisms, producing long-lasting side effects that may be difficult to correct. Science Digest suggested an answer to all of these catastrophic problems back in March of 1978 in an article titled "Our Mightiest Germ Fighter." This article by Jim Powell stated: "Thanks to eye-opening research, silver is emerging as a wonder of modern medicine. An antibiotic kills perhaps a half-dozen different disease organisms, but silver kills some 650. Resistant strains fail to develop. Moreover, silver is virtually non-toxic."

One reason that the antibiotics have been so popular in the medical field is due to the fact that they can be patented. Therefore, the pharmaceutical companies find it financially worth while to keep the doctors educated in their medicines, while other products go unnoticed. Silver, on the other hand, is not patentable and there are no huge profits in it, so it is not worth heavy promotion. The high-priced products run over the low cost products, simply because they are more profitable.

All of this is happening at the same time that disease bacteria are developing immunity to modern antibiotics. Furthermore, the immunity to the antibiotics seems to be developing all over the world, even in isolated areas. The medical profession is alarmed. Can silver save us? Many authorities think so.

In "Use of Colloids in Health and Disease", author Dr. Henry Crooks says that colloidal silver is highly germicidal. In laboratory test he found that "all fungus, virus, bacterium, streptococcus, staphylococcus, and other pathogenic organisms are killed in three or four minutes. In fact, there is no microbe known that is not killed by colloidal silver in six minutes or less in a dilution as little as 5 parts per million. Dr. Crooks found colloidal silver particularly effective in intestinal problems, and tells us there are no serious effects whatsoever from high concentrations.

In "Colloidal Silver" by The Association for Colloidal Research, it is reported that: "Medical Journal Reports and documented studies spanning 100 years indicate no known side effects from oral or I.V. administration of properly manufactured Colloidal Silver in animal or human testing."..."There has never been a reported reaction with Colloidal Silver and any prescription medication..."

In Perceptions Magazine May/June 1996, Mark Metcalf states: "I made a 16-ounce solution of well over 250 PPM and drank it. I repeated this procedure four days in a row, daily ingesting at least the equivalent of a 5-ppm solution! I did not eat yogurt or acidophilus or compensate for friendly bacteria loss in any way. The only side effect was that I seemed to feel better!"

Some other researchers do tell us, however, that in prolonged, very heavy doses, some silver compounds will leave gray deposits in the heavier skin folds such as the knuckles. This condition is known as "Argyria." The only problem to these deposits is said to be the cosmetic appearance and the condition is said to be rare. Some experts say this condition has never been known to occur from silver in the colloidal state. Other experts do, however warn that this might be a possible problem to extremely high, prolonged dosages. The very small particle size in the colloidal silver would seem to make this

possibility remote and this very small particle size is by far the most effective form of silver. Argyria is correctable with laser treatment, like a tattoo.

Furthermore, colloidal silver should not be used along with intravenous EDTA chelation, as silver is a metal and EDTA works by absorbing and removing metals from the blood. For this reason, the two work against each other.

The evidence appears to support the theory that colloidal silver is highly effective against all strains of pathogenic bacteria, while any one antibiotic is only effective against a few certain bacterial strains. Furthermore, antibiotics have never been effective against viruses, yeast, or fungi. Yet, researchers are telling us that colloidal silver has produced phenomenal results in tissue healing and reconstruction as well as reducing scar tissue in clinical tests. Severe cuts and wounds have healed in much less time."