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## Life Crystals and Chondrianas

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*This is a final report*

The Roger Wyburn-Mason and Jack M. Blount Foundation for the Eradication of Rheumatoid Disease

AKA The Arthritis Trust of America®,

7376 Walker Road, Fairview, Tn 37062

**Summary as of December 20, 1993**

The Rheumatoid Disease Foundation board voted to open-mindedly investigate George Merkle's claim that he had discovered a new form of life that destroyed cancer and repaired damaged organs. He called this form of life Chondrianas. Apparently a mixture of adenosine tri phosphate(ATP) and guanosine tri phosphate(GTP), ribose, nucleotides, glucose, fructose and glucose phosphates, under the right conditions, enticed this organism from where it was hidden, in the human (or any life form), for an unknown number of millions of years.

If the claims are true, then mankind, through George Merkl, has apparently discovered its fountain of youth.

After reviewing (1) *The Life Crystal Manual*, (2) video tape *New Frontiers in Molecular Biology: Life Crystals Capturing the Sun*, and (3) *Discovery*, Part II, all purchased from Life Crystals, Inc., I visited George Merkl at his home, in El Paso, TX, finding him to be a sincere, engaging personality.

Several thousand dollars were sent to Life Crystals, Inc. for both the Life Crystals mixture and Chondriana. The Chondriana we received proved to be live gram-negative bacteria.

The Rheumatoid Disease Foundation then learned that physicians in all parts of the U.S. and Canada had had a similar experience in receiving live gram negative bacteria with their orders, and not receiving Chondriana. Altogether thousands of dollars have been spent for gram-negative bacteria for injections into the human body, rather than the alleged beneficent Chondriana.

Dr. Merkle's response to our laboratory findings of live gram negative bacteria in what was supposed to be his Chondriana order was his vehement denial that he had sent any Chondriana to anyone in the United States. As The Rheumatoid Disease Foundation, as well as other physicians, took pains to insure that money to purchase Chondrianas went directly to George Merkle (Life Crystals), then, either of two conditions seems to exist: (1) There are no Chondrianas, but rather live gram-negative bacteria have been sold as Chondriana, or (2) one or more of his suppliers are substituting gram-negative bacteria for Merkle's Chondriana.

To clear up this mystery, I asked George Merkle if he would send a sample of Chondriana, without further charge, to Lida Mattman, Ph.D., a specialist in pleomorphic organisms, for scientific study.

George Merkle agreed to do so, but no Chondriana has been received more than a year later, despite several faxes and letters reminding Dr. Merkle of his commitment.

Dr. Merkle may very well have what he claims, but he has not seen fit to share these results with the medical or biological community, so far as we know, to this date.

The major portion of this report was sent to Dr. Merkle, requesting correction of any false data prior to submission for

publication.

## Life Crystals and Chondriana According to George Merkl

Which choice does one make when a treatment promises everything and simply sounds too good to be true? How would one discriminate between the genius who has seen through to the heart of truth, and the con artist or self-dupe, who has merely obscured further the nature of reality?

John W. Campbell, Jr., the editor and writer who twitted the scientific establishment for their pompous airs and over-serious pronouncements, and also the same person who almost single-handedly formed the modern field of science fiction entertainment, advocated a simple criteria; namely, ask the question, "Does it work?"

This criteria, of course, is not always easy to apply, because it involves the willingness to divest oneself of the need to follow authoritarian leaders, to invest time and energy in self-search and appraisal, and to think for one's self. This latter criteria is not something we're exactly taught to do in modern society, even when the course is labled "Creative Thinking," or even "Creative Science."

True geniuses are always outside the bounds of social restrictions, at least in the paths visited by their thoughts!

Dr. George Merkl may very well be one of those unsung geniuses quietly busy revolutionizing health, the world's food supply and cost of energy.

He says, "Nourish the body; it will thrive for a time. If you nourish the genes, it may thrive 100, 150 or 200 years.

His findings which he's titled "Life Crystals" and "Chondrianas" are most establishment-shaking, if true.

Dr. Merkl and his team claimed: "Produced gem grade diamonds and made them at various D spacing with brilliant luster and variations in colors. They researched and made fundamental discoveries related to cold fusion, transmuting aluminum-26 plus hydrogen to aluminum-27 1/2 isotope." In their "second cold fusion reaction, . . . [they achieved the ultimate by transmuting sodium, silicon, and nitrogen, to titanium, iron, and manganese, while releasing enormous amounts of energy [on a microscale]." Such experiments led to development of Life Crystals, which, in turn, led to discovery of microscopic, virtually intelligent "Chondrianas." "In their third cold fusion experiment, the researchers were able to advance far ahead of current technology, and actually reversed the spin of the proton," a new ability to control atomic particles which allows control of the bonding energies in chemistry. This work set the stage for creation of "synthetic transducers, and later to the natural energy transducers, those chemical structures that use" a newly discovered form of energy called "scroll" energy which is "free" and promotes the life process.

In some respects, this scroll energy can be described as "the breath of creation."

If these discoveries are true -- regarding the function and value of Life Crystals and Chondrianas -- and their interpretation of them even close to being correct, no one can afford to ignore their implications and use. Like the fantasy-figure, Superman, who, at a single bound, overtakes the fastest engine of destruction and neutralizes it, these researchers have seemed to abolish the need for pharmaceutical industries, the complex of interacting agri-industry giants and the constant search for cheap and clean fuel.

Their alleged astounding discoveries are based on application of nuclear physics to the biology of life and, like every other finding on the basic nature of reality, has seemed to cut through the Gordian knot of health, food supply and energy.

Do you believe this?

Well, it's too good to be true, and so you must either be the

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The reported discoveries are of such an order of magnitude that one simply cannot afford not to investigate Dr. Merkl's research, to try their developments and to make a decision oneself, especially at the relatively low costs for doing so.

Why?

Well, let's follow *The Life Crystal Manual* available, along with two video tapes, from Life Crystals, Inc., 5732 Kingsfield Dr., El Paso, TX 79912, copyrighted 1992. All materials reprinted from that manual are used with permission of its author.

### Life Crystals

All life depends upon adenosine triphosphate (ATP) and guanosine triphosphate (GTP) which produces energy in conjunction with the citric acid cycle.

The energy reactions depend upon normalized enzyme activity. Therefore "all life is dependent upon properly formed and concentrated enzymes which in turn are dependent upon healthy deoxyribose nucleic acid (DNA) and ribonucleic acid (RNA) found within the nuclei of our cells.

"By providing readily available ATP and GTP, it is possible to ensure optimum energy levels necessary for cellular growth, repair, and function."

Life Crystals provide concentrated ATP and GTP in the purest form, with "the penta carbon sugars providing the four basic building blocks of life in pure form."

When light passes through these Life Crystals, they emerge polarized, and it is this polarized light that sets the stage for the evolution of life!

There are two forms of Life Crystals: one form (consisting, according to label, of ribose and nucleotides, 2% phosphates, 0.37 mg/ml including adeno tri phosphate and guano phosphate, fructose 15%, glucose 15%, including fructose and glucose phosphates, all solar extracts, natural products, no chemicals or preservatives added) can be used sub-lingually, placing two or three teaspoons (or tablespoons) per day under the tongue, leaving it there for two or three minutes and then swallowing it. It is also perfectly acceptable to drink several ounces per day. This form is available for purchase in the United States, as well as most of the rest of the world.

The other form is as an injectable, and in this form is apparently available in the rest of the world, not the United States.

The advantage of the injectable is that the body will respond faster for cellular and genetic growth, repair and functioning.

While it is said that there are more than 4,000 patients who've used either the Life Crystals or Chondrianas or both, little clinical data seems to be easily available, at least so far to this writer. A small number of anecdotal medical case histories supplied to The Rheumatoid Disease Foundation by George Merkl, in Spanish, on partial translation did not seem to fit the exacting standards necessary for unequivocal findings. However, the alleged improvement (or cure) factor seems to be so huge and should be so obvious that perhaps clinical data will be useful only for those who must have such data -- or to satisfy FDA requirements.

As claimed from other than medical case histories, one person, George Merkl himself, claims that he had an incurable mixture of carcinoma and sarcoma in his hip, which is wholly cured from Life Crystals and Chondriana. He also had a serious heart problem, which is now wholly healed. His hair is turning dark from grey, his skin lacks the usual aged cross-linking signs, and Leydig Cells have been restored and he and his wife, beyond the normal age of childbirth, have had a child.

"If one could repair and normalize DNA and RNA function

quantatively as well as qualitatively, then it would be theoretically possible to postpone or even to some degree reverse the aging process by preserving cellular respiratory function. . . . it may now be possible to nourish DNA and RNA structures by providing the building blocks of these structures to the body. . . . Nourish the body and it will thrive for a time, nourish the genes and it may thrive for multiples of that time. . . . With properly functioning enzymes, the body takes defensive measures against toxins and repairs any former damage. A disorder of any kind can be rectified by restoring enzymes under suppression. Properly functioning enzymes not only brings recovery but a measure of rejuvenation as well. **More importantly, an ancient, prehistoric life form has been brought to life and replicated with a more concentrated form of the Life Crystal Solution. . . .**" manifesting "the ancestors of our cell's nuclei and mitochondria." The process involved "forward and reverse synthesis of human RNA. . . ." The synthesized organisms were named Chondriana, a name related to the mitochondria found inside the cell, and the source of each cell's energy. **Chondriana are our resurrected ancestors.**

With the exception of the United States, it is said that many medical clinics around the world are "using the Chondriana in treating almost every known human disease with astonishing results."

While the Life Crystals by themselves will enable the body to function more normally, cleaning out arteries and capillaries, and producing optimum cell functioning, the Chondrianas are even more amazing, it is said, in their functioning inside the human body.

This is illustrated by placing one drop of human insulin in a vial of Chondrianas with Life Crystals "within 48 hours one has pancreatic beta cells producing insulin. . . . The insulin contains enough of the genetic information to generate the pancreatic beta cells from whence it came."

Diabetics, it is said, have been cured in three months!

A tremendous variety of other diseases, it is said, have also been cured!

### Chondriannas

With the aid of life crystals, Chondrianas were discovered embedded as though frozen in time in the human gene.

Remember that ontogeny recapitulates phylogeny, meaning that our embryonic developmental forms pass through our ancestral forms (phenotypes), demonstrating our evolutionary predecessors.

"Now imagine the researchers taking apart sequenced T-RNA (Transfer RNA) chains that may hold primitive expressions of our ancestral heritage. Through the triplet nucleotides as a genetic remnant, imagine those genetic codes expressing themselves in the energy milieu of the life crystal solution, a solution that matches the energy of the ocean when the sun was young. Now picture these microscopic mobile creatures emerging from our genetic past, from the remnants of the three nucleotides: intelligent, protective, a reproducing ambitious enzyme manufacturing micro-culture dedicated to preserving human life at the colloidal life level. Does this discovery represent the bionic immunity of our ancestors of millions of years ago? Is this the Methuselah gene, uncovered? Or are these creatures the ancestors of human cells? Or of us? Indeed, they are! Other minds in future times will tell us, but relish now with me in not the why but in the reality, in the fact, that the researchers may have made the discovery of all time, the discovery of the Chondriana. A fact so spectacular that in spite of its reality, it should [or could] be placed more into the realm of science fiction."

- Chondrianas are microbial, and appear to be "intelligent, sophisticated and highly organized . . . recalled to life from the triple nucleotides of human genes."

- They are "precursors to our immune and cellular organ-

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elles."

- They have male and female gender, undergoing courting and sexual reproduction.

- The male chondrion enzymatically devours bacteria, viruses, and cancer cells, "or any microorganism that may jeopardize any human tissue," or endangers the female of its species, the chondriana.

- The chondrion sequences and produces killer cells (chondriettes), which are the precursors of the lymphocytes and T cells. "The killer cells can sequence DNA production of specific protein digesting enzymes that break up the cell membranes of foreign invaders, bacteria, viruses, and cancer cells, and thus make available the digested parts of their dead bodies as food for the chondriana. Although the life crystals are the primary energy source, the foreign invaders stimulate a fast reproductive cycle within the chondriana by giving them additional food. Life crystals supply the fuel for primary conversion via cyclic ATP complexing with magnesium ion. Once in the body, they convert foreign microbes to food for reproductive energy."

- "The male chondrion resembles the mitochondria of our cells displaying a double layered membrane and producing energy. Thus the male, once placed in a concentrate of ATP solution, becomes activated, partially from ATP and partly from another source of energy . . . known as 'free' energy scrolls."

- "Think of scrolls as energy packets, quanta, which are received from cosmic radiation which bathes the earth and universe night and day." Patent 399395, it is said, describes scrolls as "a three-dimensional energy vortex in motion. Nine hundred and eighteen pairs of such scrolls braid into one photon . . . the basic unit of light energy;" 918 photons into one electron; 918 electrons into one proton.

- The DNA and RNA "hold the engines of life which actually absorb these scrolls. The various subunits of DNA are known as nucleotides. These in turn are made of ATP-GTP, ribose, and deoxyribose where the engines of life lie in the center of the ATP and GTP molecules with the remarkable ability, like the engine in the molecule, of absorbing and utilizing the 'free' scroll energy."

- "The female has a single-layered membrane and is very inactive until she is 'charged' by the male. The female therefore resembles the nucleus of our cells, containing DNA, the blueprint of life. She is very full of this genetic material and has the ability to exchange part of it with the male during mating while the male passes on RNA to the female at the same time."

- The female on being fertilized by the male produces three male chondrions, and then in succession, three female chondrianas.

- The activities of the female and male chondrianas and chondrions have been photographed as they court, charge, bounce, mate and also exhibit various phases of orbital motions including the final moment of birth of male and female types.

- Apparently these creatures were "independent life forms billions of years ago that have come back together, uniting to form a higher order of cellular life." Perhaps the output energy of our sun was greater millions of years ago. As the energy level decreased through time, creatures, such as the dinosaur, also decreased in size. Chondrianas can be observed to change size with changing energy levels, to a point of dormancy with lack of oxygen.

- Energy deficient chondrianas revert to (and disperse into) small units that are virtually indestructible; and they reassemble again with the addition of the proper milieu.

- When chondrianas are mixed with a five percent dextrose solution, and injected into the vein, one hour later almost to the minute the patient will begin shaking, experiencing a so-called T-Cell reaction. This reaction is usually followed by a Herxheimer

reaction (die-off effect). Being dose-dependent, only small quantities at first are recommended until most foreign microbial invaders are slain and consumed by the chondrianas. Chondrions are enormously active in destroying foreign invaders, and as these invaders die, arteries are cleared and cancer cells are devoured, then the body goes through a healing crisis, it is claimed.

- "Chondriana can survive and even thrive in human blood as part of the colloidal life of the plasma." They, themselves, are "colloidal life in crystallized form, supported by live particle biophysics. Their membrane structures are energy transducers using, to some degree, scroll 'free' energy."

- "Oxygen is necessary to keep the chondriana active. If they are deprived [of oxygen] the colloidal energy generator will stall and no longer polarize their charge. At this point the chondrion will burst and colloidal chondriana will disperse. Upon reintroducing the oxygen and the life crystal solution, colloidal life will reassemble and resurrect from spilled genetic material."

- In addition to producing insulin beta cells from appropriate genetic materials, chondrianas have produced all other parts of the human body, including brain, lymph node, kidney, heart, spleen and so on. The factory that produces faulty genes is often replaced by a factory that produces good genes. What has occurred in vitro has also occurred in vivo, producing genuine cures, it is said! The same person (George Merkl) who reportedly had the carcinoma/sarcoma mixture also had severe heart problems, and now appears to have a new heart, according to Dr. Merkl, himself.

- "The sophistication of the AIDS virus is primitive compared to that of the chondriana." It has been reported that from wherever the T-cells' count starts, with Chondrianas, the count doubles during a given time period, then doubles again and again.

- "Researchers transferred [chondrianas] into ten different colonies and each colony acquired a defense system that nothing can match."

- Rather than correct genetically defective cells, the chondriana replace the factory producing the genetic defects.

#### **Speculative Correlations**

It's easy to cast shadows against another man's dream, and sometimes harder to find supporting, concrete underpinnings for that same dream. I often try the latter first:

L. Ron Hubbard had the unusual capacity to be aware of his genetic evolutionary path, the efforts and counter-efforts that successively constructed different life forms from the earliest of genetic existence to that of man today. He perceived and published in 1952 *A History of Man*, a book designed to help Dianetic auditors to know the kinds of incidents that people would present during auditing. (This book can be purchased at any Church of Scientology location.)

One of the earliest precursors on Hubbard's genetic evolutionary linkage is the "photon convertor."

George Merkle speculates that millions of years ago, the sun produced more net energy for life-forms on earth. Perhaps that is the reason some plants and animals, such as the dinosaur, grew so large. According to *Science News*, "Speedy Spin Kept Early Earth From Freezing," (June 12, 1993), "calculations suggest the sun had only 70 percent of its current strength early in Earth's history, around 4 billion years ago." However, simulated computer calculations show that a then faster spinning earth had 20% less cloud cover, and with a 14 hour-long day, more sunlight reached the earth. Also, because there was more water surface, which absorbs sunlight, the temperature would have been 5<sup>0</sup> to 6<sup>0</sup> higher.

Life Crystal's earliest identification along the evolutionary pathway is a combination of a photon storage and power source, perhaps similar to ATP/GTP, and an organism that appears to be

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Antoine Bechamp, a brilliant scientist of Louis Pasteur's day, probably outshining Pasteur as a scientist by light-years, described a microscopic organism called the Microzym which was pleomorphic, but reduced itself to small almost indestructible units on death of the body, and swept by the winds across the earth thereafter, to be recycled again in living tissue. (*The Blood and It's Third Anatomical Element*, by A. Bechamp, translated by Montague R. Leverson, M.D., 1911.) He concluded that disease was caused by the environment surrounding microorganisms, and that a one-to-one correspondence between unique organisms and specific disease was not universally true. The argument between Pasteur and Bechamp raged into political arenas, where Bechamp lost, and even though Pasteur recanted on his deathbed, stating that "Bechamp was right, the milieu is all," modern medicine chased after the one-to-one correspondence philosophy, thus helping to create the giant drug monopolies that constantly chase after a patented magic bullet.

Lida Mattman, Ph.D., in her First, Second, and 3rd book on *Cell Wall Deficient Forms* (Chemical Rubber Company: See book section of <http://www.arthritis-trust.org>), identifies numerous pleomorphic organisms found from different disease states. Also, as Dr. Mattman reports, Ernst B. Almquist, Gerald J. Domingue, F.E. Haag, Koch, G. Koraen, Virginia Livingston-Wheeler, M.D., A. Maffucci, Gaston Naessen, P.G. Olsson, Royal Rife, E.J. Roukavischnikoff, Jorgan U. Schlegel, Gerda Troili-Petersson, Willibald Winkler, M.D., Hannah B. Woody, W. Zopf, and many others, have followed up wholly or in part, or rediscovered, Antoine Bechamp's work.

Alleged chondriana discoveries demonstrate that the very earliest organism had a form dependent not only upon its milieu, but also on the duties that it had to perform. This is nowhere clearer than in its reported production of T-cells and lymphocytes according to need, as well as other forms important to the construction, repair and defense of the female chondriana and its host partner, the human body. On reducing energy levels, chondrianas become sluggish, and then eventually disperse into very tiny "almost indestructible units" to be resurrected again on being provided with a photon/scroll energy source.

#### **How Used**

The life crystals sub-lingual solution is purchased in quart quantities at retail or discount prices. Although the sub-lingual dosage can vary considerably, according to physical condition, it was recommended that one teaspoon three times a day be placed sub-lingually for about 3 or 4 minutes, and then the solution swallowed.

As these life crystals pervade the system, the body should be enabled to clean out fine capillaries and arteries, and otherwise prepare the body for its own repair.

So long as Life Crystals makes no health claim for this product, it is easily purchased in the United States and elsewhere.

The injectable life crystals is preferred for severe illness and quick physical response, it is said.

There are apparently any one of several ways that these injections can be taken. One physician takes a small quantity alternatively with the Chondrianas twice a week. Probably the preferred method is to use the life crystals first, setting the body up for the Chondrianas later. The two products have different functions, but the Chondrianas rely on the life crystals, and later photon/scroll energy absorbed through the skin, for their anti-microbial and

human tissue and organ reconstruction functions.

Life Crystals injectables are not available in the United States, but apparently are available in nearly every other country in the world.

Presuming that the choice is to take the injectable life crystals first, the next step is to inject the Chondrianas into the vein. With Chondrianas two effects must be carefully observed: T-cell "chills" reactions and the Herxheimer reaction from release of toxins when killing off massive quantities of foreign micro-organisms.

It's important that the individual be capable of detoxifying these effects, and so in in a very sick person, one must be extremely careful not to introduce large quantities of Chondrianas into the veins in one injection.

As one investigator said, who was also using these products on himself, "I've plenty of time. The body needs time to respond and repair, and I'm willing to give it that time." He started by injecting 0.05 cc, and very, very slowly increased the dosage, taking alternatively either life crystals or presumed Chondrianas twice a week. He then took 0.2 cc presumed Chondrianas and 0.3 cc life crystals, alternatively. Eventually he experienced an extreme chill from the T-cell reactions, feeling great the next day. He also reported that he could walk better now than he had since his spinal injury many years ago. On observation some months later, this author could not view any improvement, and it is believed that the investigator change dhis mind about his own improvement.

Another physician took at first treatment .10 cc and experienced a very heavy Herxheimer, but also felt great the next day.

It shouldn't take more than about 40 days to complete the total treatment of life crystals and chondrianas, unless one is exceedingly sick, in which case, perhaps more of both products would be required, it was said, and certainly it will take longer for the body to be repaired.

Presumed Chondrianas gain energy through the skin by exposing the skin to sunlight, and they will multiply and reproduce if placed in the sunshine, as on the windowsill.

#### **FDA**

According to personal conversation with a Compliance Officer of the Food and Drug Administration, neither the Life Crystals injectable or the Chondrianas are being stopped at the border provided the patient has a letter from his/her doctor stating that the patient is authorized to use the products for their personal use, and that it is not for resale.

#### **Anecdotal History**

A name and telephone number was given to me by George Merkle, at my request, because of their presumed "arthritis."

Two people who had heard of life crystals and Chondrianas two years ago, a mother and son, both pianists, had had crippling Rheumatoid Arthritis. The mother, 68, was so badly disabled that she had to use the palms of her two hands to pick up a bottle. Immediately on the first injection of life crystals arthritic pain disappeared and neither mother or son have had the pain during continuing treatments, or since, the son reported. The mother also suffered from nephritis, congestive heart failure and removal of one-half a lung but now has drastically improved health. She can pick up a bottle with her fingers, he said.

The 41 year old son stated that within 24 hours of injections, Rheumatoid Arthritis swelling had gone down 50%. During the past two years he has used a maintenance dosage of sub-lingual life crystals of 15 to 20 drops per day. He's had no serious flu or viral sickness for more than one and a half years. He can play the piano again, he said.

The son's mother-in-law in Korea has diabetes and high blood pressure. The diabetes is vastly improved and the blood pressure

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I found it easy to reach the son on the first call and I was told, by him, that I would be able to pass through his secretaries at any time I wished to talk further. I was never again able to reach this person for follow-up questions.

The treatment described herein, and laid out by Life Crystals, Inc., appears to be superior to every known treatment, and applicable to all human conditions. It promises to eradicate virtually all known diseases!

**We don't know that this statement is true!**

But there was sufficient "probable cause" so that many physicians in foreign countries are, reportedly, trying it on themselves or their patients and there are some anecdotal reports -- chiefly from George Merkl -- of positive results, so that a number of U.S. physicians, including a number of The Arthritis Trust of America/ The Rheumatoid Disease Foundation's referral physicians, have also investigated.

The Foundation mailed out the preceeding to all of its referral physicians, and some of its board members and friends began taking the Life Crystals and alleged Chondrianas, as described, ordering either directly from Life Crystals, Inc., or through intermediary physicians who also sent International Money Orders directly to Life Crystals, Inc. or to George Merkl, Ph.D. Dr. Merkl stated that he would accept only International Money Orders from outside-the-U.S. for Chondrianas.

**Information Learned and Received on  
Life Crystals and Chondrianas  
( as of the dates shown)**

**December 21, 1993**

1. One doctor reported good results with several cancer patients. No data on the number or kind of effects, and the report is a secondhand source without clinical data.

2. One doctor reported zero success on two cancer patients. One non-success with diabetes.

3. One doctor had written the following: "I am very concerned about the information you sent out on July 8, 1993 with regard to life crystals and chondrianas. I have had personal experience with these products, not only on patients, but myself.

"When I first took an injection of so-called chondrianas, I suffered a 'shake and bake' reaction followed by a severe headache that in my mind could only be compared to what one experiences in an endotoxin reaction from bacteria. Practicing holistic medicine, it had been years since I had seen such a reaction, but having experienced it myself I was convinced that is what it was.

"I witnessed the use of chondriana on several patients and saw absolutely no results. In fact, one patient with a lung cancer proceeded to have his life wasted away while he was taking chondriana injections.

"One of my patients was interested in chondriana even after I advised him my office performed a culture on a fresh tube and found at least 4 different varieties of live gram negative organisms in an unopened vial. He received a vial directly from Dr. Merkl and I received yet another one. At the same time, Dr. \_\_\_\_\_ in New York, was evaluating the material also. Cultures were performed simultaneously on 3 separate vials received by Dr. Merkl and all three grew out at least 4 different gram negative organisms and no tube had the same organism. Dr. Merkl was confronted with this information and came up with various stories and explanations that wouldn't hold water even with my 11 year old child.

"Usually anything that sounds too good to be true isn't true and I feel this is another case in point. I believe that treatment with so called chondriana is nothing more than treating patients with a form

of treatment known years ago as Coley's Endotoxins, which did have a substantial cure rate for certain cancers. However, using live bacteria could put the patient at a far greater risk.

"I would appreciate it if you would keep this information confidential and check out the product yourself. If you do, please let me know what you find."

The preceeding letter was also furnished to Dr. George Merkl with a request for explanation and also a request that he furnish, free gratis, a sample of Chondrianas to a well-known scientist who has specialized in pleomorphic organisms, Lida Mattman, Ph.D.. There has been no response from Dr. Merkl on this request as of December 21, 1993. Contrary to the normal free-flow of communication, Dr. Merkl has not answered any further telephone calls from me after informing him of the above letter.

4. Another doctor has furnished this office with a copy of Richard B. Prior's *Clinical Applications of the Limulus Amoebocyte Lysate Test* (CRC Press, 2000 Corporate Blvd., N.W., Boca Raton, FL 33431, 1990). In particular, attention was directed to chapters 1 and 5. As the test described in this book is exceedingly sensitive and accurate for endotoxins, samples of Chondrianas will be tested when the test kit arrives.

When injecting small quantities (0.05-0.10cc) of Chondrianas, as purchased from Dr. Merkl, within 50 to 60 minutes an extreme chill will probably set in. This chill lasts for 1-2 hours, after which a light Herxheimer occurs.

The above-described phenomena fits well the symptoms of endotoxemia as described in Prior's work. Endotoxins in small amounts affect macrophages and monocytes, B-lymphocytes and Complement.

Macrophages activate, increasing interleukin-1 and tumor necrosis factor (TNF). These in turn create an acute protein phase and fever.

B-lymphocytes also activate, increasing antibody synthesis. as does Complement by an alternative pathway, thereby producing inflammation.

Endotoxins in large amounts produce all of the above, plus possible shock via the macrophage/monocyte chain; and Hageman factor platelets which release clotting and other release factors resulting in disseminated intravascular coagulation.

The production of Tumor Necrosis Factor (TNF) could explain some of the good results obtained with some cancers.

Lipopolysaccharides (LPS) do not directly activate T cells but have been found to stimulate T-cell differentiation. This could explain why T-cells appear to increase in AIDS victims. (Also see "Immune System Protection from Foreign Invaders," <http://www.arthritis-trust.org>.)

Effects considered to be beneficial by the use of endotoxin include but are not limited to immunogenicity, immunomodulation, nonspecific resistance, tolerance and induction of colony stimulating factor (CSF) and g-interferon.

Adverse endotoxin effects are that almost every organ in the body and many metabolic pathways are affected.

Cytokins, for example, are considered major mediators of circulatory collapse and tissue necrosis observed in Gram-negative septicemia. Anticoagulant property of endothelial cells are lost and fibrin deposition is enhanced, and so on through a cascade of a multiplicity of other adverse affects, sometimes resulting in shock and death.

The usage of endotoxins for clinical purposes lies on a knife edge of determination as to what is too much or too little for an individual patient and also a function of age and metabolic efficiency. Apparently there is no good test for determining appropriate quantities for a specific individual for the induction of beneficial

Medical data is for informational purposes only. You should always consult your family physician, or one of our referral physicians prior to treatment results, as opposed to no results or even hazardous results.

**August 26, 1993**

Talked to another doctor who stated that University analysis of so-called Chondrianas showed a mixture of pathogens.

**August 28, 1993**

ICC of Chondrianas as received was mixed with 3 CC of distilled water, and the sample mailed to SmithKline Beecham Clinical Laboratories. Today the The Arthritis Trust of America/Rheumatoid Disease Foundation received the laboratory report stating that endotoxin range was greater than 10.0 EU/ML with a reference range less than 5.0.

**August 31, 1993**

A doctor reported placing a sample of Chondrianas in dark field view, finding only two small rod-shaped organisms of a type found in the bloodstream, as per pleomorphic reports of Gaston Naesson.

**September 2, 1993**

Three of four samples of alleged Condrianas obtained by The The Arthritis Trust of America/Rheumatoid Disease Foundation were studied under the microscope by another physician. Only gram-negative rod-shaped bacteria were found.

**September 3, 1993**

Serge Durand (Health Canada, Drug Directorate, Health Protection Building, Tunney's Pasture, Room 212, Ottawa, Ont. K1A 0L2) reported to us that they have no record of George Merkl, Life Crystals or Chondrianas, and especially have not authorized its usage under Conditional Notice of Compliance, Emergency Drug Release Program, Authorization for Investigation, or Notice of Compliance.

Also on this day George Merkl called this Foundation in response to a letter citing some of the preceding problems. Dr. Merkl stated that someone else in America was manufacturing fake Chondrianas made with pathogens and that these were not his organisms. That reputable clinics in Mexico had gotten good results from the use of his Chondrianas, and that he'd now created Chondrianas from Horse, Bear and other animals. There were only a small handful of people authorized to sell Chondrianas, and unless the product came from one of them, it was not his Chondrianas. He agreed to send this Foundation a sample free gratis for testing and study by a scientist who specialized in pleomorphic organisms, Lida Mattman, Ph.D.

**September 7, 1993**

A doctor reported that he received a vial of Chondrianas shipped by a trucking company after he sent a bank check directly to Dr. Merkl. He took the proscribed amount of Chondrianas and Life Crystals in 18 injections. His "results" were that he received one Herxheimer reaction lasting about 45-minutes and three times the feeling that he was freezing to death.

**September 8, 1993**

A doctor reported results of cultures of his Chondrianas from an independent laboratory. They contained a light growth of two organisms: *Klebsiella pneumoniae* and *Alcailigenes* species.

**September 13, 1993**

George Merkl sent a batch of clinical documents, mostly in Spanish, along with several testimonials. A friend and former Mexican agreed to translate the Spanish for me. His final report was that there was nothing of significance, from a scientific medical viewpoint in them, and felt that they were not worth translating completely.

**September 27, 1993**

Received from a donor/member a copy of a flyer from Life Crystals, Inc. describing both Life Crystals and also Chondriana. This flyer included cost of Life Crystals. In a separate sheet, names

and telephone numbers of those "who can assist you with more info." were also listed. These were: Dr. Angel Villalpando, Juarez, Mexico; Dr. Ivanne Rodriguez, Juarez, Mexico; Dr. Rodolpho Sanchez, Juarez, Mexico; Dr. Alberto Martinez, Juarez, Mexico; Centro Medico Diamante, Tijuana, Mexico; George Amezcua (representative) Tiajuana, Mexico; Dr. Ravi Devgan, Canada; Dr. Helena Morris, London England or Europe; Dr. Randy Winters, Switzerland or Central Europe.

**October 5, 1993**

Letter received from a physician, "I received Chondrianas from George Merkl. I looked at these under my dark field microscope and saw moving bacteria, not Chondrianas. I had several samples cultured at SmithKline Laboratory, and every one of them grew up several strains of gram negative bacteria.

"Dr. Merkl gave me several irrational explanations of why bacteria should be present in his vial when Chondriana should have eaten them all up. It does not make sense.

"I cannot say I've observed anybody actually improve by either life crystals or so-called Chondriana. I believe there may be some merit to Dr. Merkl's Life Crystals, but not so-called Chondriana. I believe it is working by a non-specific immune response to gram negative bacteria, similar to Coley's Endotoxins published in the early 1930's. However, Dr. Merkl is working with live bacteria which could be doubly dangerous. Therefore, I cannot recommend his treatment to anybody. . . . It is not my intention to discredit him. It is solely my intention to let people know the truth, albeit, as I have seen it. Unfortunately, I'm not in a position to give you the case history of anyone treated with Chondriana, suffice to say that there were a few cancer patients who received the material and one with HIV. None of them had any improvement to the best of my knowledge."

**October 14, 1993**

Faxed to George Merkl a reminder that he was going to ship this foundation a free sample of Chondrianas to be studied by Lida Mattman, Ph.D. of Wayne University.

**November 23, 1993**

Mailed George Merkl a letter reminding him that he had agreed to ship this foundation a free sample of Chondrianas to be studied by Lida Mattman, Ph.D. of Wayne University.

**February 15, 1995**

Have not received any samples of Chondriana for Lida Mattman, Ph.D. by this date.

**January 18, 2003**

I understand that George Merkl recently died. I'm sorry to report that no Chondriana were ever received for study. Such a discovery, if true, would have shaken modern medicine as nothing else has ever done.

Lacking evidence, I have no basis to judge the nature of alleged Chondrianas. The Arthritis Trust of America/The Rheumatoid Disease Foundation, by this report, does not intend to impugn Dr. George Merkl's scientific ability or integrity. I am, however, personally disappointed at having expended thought, effort and money without having any results to show for the expenditures, and I am personally disappointed especially for Dr. Merkl's apparent unwillingness to send us a sample of Chondrianas, as promised, for proper and open scientific study.

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