

# **Phoenix Journal**

## **#149**



**By Gyeorgos Ceres Hatonn**

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### DEDICATION

This volume, in humble appreciation, is dedicated to: Professor Louis C. Kervran and Michel Abehsera.  
One brought forth the information; the other made it available in a language you can read.

## FOREWORD

REC #1 HATONN

WED., SEP. 6, 1995 7:06 A.M. YEAR 9, DAY 021

WED., SEP. 6, 1995

### ALCHEMY AND TRANSMUTATION WHAT YOU PUT IN IS NOT WHAT YOU GET OUT

As we sit to write we note we are asked for an Introduction or a Forward for a journal. I believe the most important thing that I can offer is the Epilogue of *Biological Transmutations* by **Louis C. Kervran** of France (long deceased). I want you to WANT to study this journal volume CAREFULLY—it is more of the very secret of LIFE.

In addition I want to get you some other information which hasn't found an appropriate placement in our somewhat orderly information flow. It is information on Survival Wild Foods. Without going into great agricultural passages we can give you some information as to how to obtain some information on this subject of survival without leaving our subject.

I offer first a letter from **Michael Morearty**, who frequently shares with us in-depth instructions and how-to for things such as making Tempe from Soybeans and other nutritional must-knows if you plan on good health through a period of tough times. Remember: Tough times don't last—but tough people DO. **NOTATION:** Yesterday France tested a nuclear bomb in the Pacific—"to keep current their military arsenal". Do you still believe the world is not on the brink of nuclear war? Well, you ARE so get the heads out of the sand-pit. It is no longer "if"—it is only "when".

This letter is addressed to Rick Martin because Rick has written on gardening and this comes in response. However, Phyllis of the *News Desk* has brought in full salads from "weeds" so we know that these things can be both tasty and extremely nutritious. Michael lives in Glendale, Arizona but I won't offer address information unless I hear FROM HIM that he welcomes any and all callers or correspondents.

[QUOTING:]

Aug. 10, 1995

Dear Rick,

Thanks for all of your writings. I found your 6-23-95 Gardening article to be most informative—having some interesting points I will probably try.

Regarding Wild Foods:

What happens when...

1. there is an earthquake?
2. there is a flood?
3. there is another natural disaster?
4. the government comes and takes your food storage?

AND after several days to a week your water is nearly gone, your food storage is getting low (you have probably shared with others) and you wonder what you will do. Water mains are broken and watering of gardens could easily be prohibited, (“that is a luxury” — “save it for the people”).

Yes, we’ve got our [*Hydrogen*] Peroxide, OxySol, GaiaCol, Gaiandriana etc... BUT...

Linda Runyon has seen more avoidable death and suffering on Famine reports on TV than she cares to remember. She tells of seeing mothers sobbing that their baby died while at their feet in the very same picture is enough wild food to nourish both the mother and the baby—very avoidable.

This is what I was wondering 2 years ago when I discovered Wild Foods (vegetables). You know, the ones that grow in the cracks in the sidewalk, in your garden, in your lawn, and in glorious fields. And all volunteers—you never HAVE to plant them—NATURE’S NO-WORK GARDEN. They are rich in Vitamins and Minerals and other essential nutrients—often having more of these than their domesticated cousins, the garden vegetables we usually eat.

You can live healthy and in style eating these: Tumbleweed tips, sunflowers, amaranth leaves and seed heads, cactus (cholla, prickly pear, nopalis), aloe vera, pine needles, dandelion, violets, sorrel, red and white clover, queen anne’s lace, chicory, burdock, lambs quarters, purslane... to name but a few.

If you get tired of one just wait a little, a new one will come along soon. These are seasonal plants, just like the ones in your garden, staying for several months and going to seed to let others begin their cycle.

### BIG QUESTION: HOW DO YOU KNOW IF IT IS EDIBLE?

1. cross reference of several sources;
2. use the WILD FOOD FORAGING RULES. These rules allow anyone to test ANY plant for edibility.
  - (a) crush and sniff, do you think you would want to eat it?
  - (b) crush and rub a tiny bit on your gums, wait 20 minutes, is there any untoward reaction?
  - (c) take a tiny bit and chew, spitting the plant out, wait 20 minutes, if no untoward reaction
  - (d) make a weak tea to further test edibility, drink and wait 20 minutes.

If there is no untoward reaction it is most probably edible.

The person I have studied with is Linda Runyon. She spent 13 years in the Adirondacks in New York State, living on wild foods. She has been in Phoenix for the last 10 years giving classes. In the past year



she has worked as an advisor with David Schultz (the Water Conservation Officer for the City of Glendale) to establish a Wild Food Walk (a Survival Acre for public display) at the Glendale Public Library (59 AV S of Peoria Ave). It is complete with signs describing each plant and the edible portions thereof.

I am enclosing her:

Wild Food Cards—identification. [**H: I think the cards may have stopped off with Rick so I can't vouch for them without seeing them.**]

A Survival Acre—how to do it.

Nutrition Wheel—reference.

Since I have learned about these foods I have been relieved of the WHAT DO I EAT NOW syndrome. You might consider having an article on wild foods.

May I add that just because these vegetables grow wild does not mean that you can't plant them in your garden. Some of them love the added attention.

From reading *The Valley of Radiance* Series, I believe you reside in Tehachapi. I'm sending it to you there. I will send a copy of the letter to Hatonn but I can't afford a second set of the enclosures, please pass yours to him when you are done, thanks.

Sincerely, in Light of God,  
Michael Morearty

P.S.: Linda Runyon's Phone No.: 602 933-8675.

Address: Linda Runyon  
13239 W. Shadow Hills Dr.  
Sun City West, AZ 85375

[END OF QUOTING]

I highly recommend you get enough information to utilize what is around at your feet or in your bushes for there may well come a day when you will wish you had done so. Eating poisonous plants or foods which cause rashes and reactions is not what is going to "make your day" when the going gets rough and you have to keep going. And for you who wish we could stick to a subject until we get it finished (remembering back to all the books we have begun and are yet unfinished) we have to remind you—THESE ARE **JOURNALS** WITH DAILY ENTRIES AS IN "LOG". We are not in the book writing business—we are in the information (of what IS) business, and I might add—it is a sorely bad *business*.

Back to:

BIOLOGICAL TRANSMUTATIONS, PART 16  
by Louis C. Kervran

English translation: **Michel Abehsera**

[QUOTING:]

## EPILOGUE

*When one is confronted with a fact which is in opposition with a prevalent theory, one must accept this fact and abandon the theory, even though the latter, supported by great men, may be generally subscribed to. — Claude Bernard.*

This book is essentially a document of experiments which I hope will be sufficient to establish the undeniable reality of the phenomenon confronting us. It was necessary to limit the treatment of the subject, leaving the door open concerning the different applications of these newly discovered reactions. I hope the examples cited here will not only help the reader understand the mechanisms but will encourage him to proceed in his own field with each particular problem.

The preceding pages have demonstrated that the biological transmutations of the elements do not in any way oppose the laws of chemistry. *Chemistry is the science of the displacement of the electrons situated in the peripheral layers of the atoms. It is the science of the molecules, not of the nucleus of the atoms.*

Einstein *never stated that his laws were applicable to biology*. He always insisted on the fact that they were relevant only in his particular field of research. **[H: And were incorrect even in his field of research!!]**

Open-minded physicists know well that not all the laws of physics are applicable to living matter, a fact which made Louis de Broglie write, “It is premature to reduce the vital process to the quite insufficiently developed concepts of 19th and even 20th century physics and chemistry.”

Along the same line R. H. Dicke in *The Theoretical Significance of Experimental Relativity* (New York) said that there is now emerging a lessening of the original infatuation with the proofs related to the law of general relativity.

More and more physicists now oppose the rigid attitude of certain specialists. One of these physicists, H. Prat, a professor at the Faculty of Science, wrote: “In fact all our physical and biological laws are more or less based on the implicit acceptance of the notion of identity. They should all be studied over again and made more flexible.”

As a further example the eminent physicist Brillouin wrote, concerning the healing of tissues, etc., “That is why so many scholars think that our actual laws of physics and chemistry cannot explain such strange phenomena.” (*Vie, Matière et Observation*, A Michel Pub., Paris 1959.)

In the atomic field everything is brought to the level of Einstein’s theory. This confusing attempt to generalize is not being made universally, however. Other scientists declare, “The equations of Einstein remain valid, but it now appears that they might be incomplete.” (*The Sciences*, July 1964) **[H: And THAT is the nicest thing you can say about them. They are erroneous as well as incomplete. Let us just say that they are completely erroneous and a valid basic part of the New World Order**

**DISINFORMATION! Telling you so is what endears me so greatly to that New World Order!]**

Also, “A new examination, the complete revision of our ideas, will lead us to the conclusion that there are accommodations to be made with relativity.”

I do not oppose Einstein. I only oppose his unconditional followers who did not understand their master and who applied in all fields laws whose capacity Einstein himself had circumscribed.

But who reads Einstein? Many of the popular books on relativity are written by professors who misunderstand these laws and who continue to apply automatically the false calculations made by previous authors.

“It is only for these bodies of reference (Galitian bodies, i.e., those which make a rectilinear and uniform movement, exempt of rotation) that the validity of the principle of relativity was admitted...” wrote Einstein. (*La Relativité*, Payot Pub., Paris 1956.) And, “The physical interpretation of the space and time Euclidean continuum... was possible by virtue of the law of constancy of light velocity... which the theory of General Relativity could not maintain...” **[H: ALL is LIGHT and it is the electrical duality of electric flow which gives the illusion of space and time flow as well. You are a pulse-wave electric manifestation of LIGHT made manifest as is everything in your world. Therefore you CANNOT have a valid human relationship with that which is etheric. You cannot but GUESS at what might be “Out there” in your perception.]**

Einstein’s position before his death was that there are several valid theories, each completely distinct and applicable in its own field. Yet now many passionately support Einstein’s theory while others completely oppose it. Physicists are divided, and I have no wish to take part in their debate.

**[H: I would like to remind you of a way you can judge the work of a man such as Einstein. He was of the Elitest and he wandered about in a haze of mind dwellings. As he grew older and literally “old” he had a magnificent physical and very Earthy fling with Marilyn Monroe of your Monarch Program training. A GREAT SCIENTIST AND TEACHER DOES NOT INVOLVE IN SUCH DRIVEL OR POLITICAL INTRIGUE.]**

What is important is that doctors, biologists and agronomists are already applying the biological transmutations. Some doctors apply them empirically without completely understanding them. The same is true with agronomists who leave a deficient field lying fallow for a few years, after which period the land regains the elements in which it was deficient. Also, many bone specialists know that the bone is formed *without calcium*.

The entire genesis and evolution of our planet needs to be restudied in light of transmutation, which opens new horizons to geologists and philosophers, as well as to metaphysicians. The latter can find grounds for meditation in the fact that the vital phenomenon of life is not chemistry alone.

This does not mean that the recognition of biological transmutation is another step towards comprehending Life. On the contrary, I would say that it is a step toward demonstrating that Life is more complex than some bio-chemists would like to believe.

“When one makes a general theory,” said Claude Bernard, “the only thing of which we are certain is that all of these theories are false, absolutely speaking... for they should be modified with the growth of science, so much the more since sciences are less advanced in their evolution. What distinguishes the scholar is not making discoveries in which chance plays a great role, but finding the laws which govern the phenomena.”

It is the exaggerated specialization in every field of science which condemns the modern scientist, isolating him from other disciplines. For many, science today is just another job, where the employee has lost his sense of adventure.

Let us again recall that the transmutations at low energy are a phenomenon totally different from the one actually studied in nuclear physics. The transmutations observed here were all of a biological nature. They lead us to recognize that the natural structure of atoms is different from that structure resulting from the technique used in the study of nuclear physics. The nucleus set is formed of sub-sets which can be separated with a relatively small amount of energy. More particularly, most of the reactions studied can occur with the movement of an atom of hydrogen or an atom of oxygen, thus with +/-H or +/-O.

If this is a general principle, however, it must be said that the group of protons O can neither be separated from one nucleus nor joined to another. The same is true of H. What is now called “Kervran’s Effect” is thus limited to certain reactions which are the same in biology. An example is the metamorphosis of rocks, under pressure effects and temperature which have no basis of comparison with the energies of fusion, or fission, calculated by classical nuclear physics. Hence one may have an exchange of one proton in  $_{11}\text{Na}$   $_{12}\text{Mg}$  OR  $_{13}\text{Al}$   $_{14}\text{Si}$ . This leads us to the complementary hypothesis that the above movements of protons would occur only to introduce or take away a single proton from one of the sub-sets.

Thus it can be understood why in geophysics one observes the “Kervran’s Effect” kind of transmutations and only these, although laboratories using high pressure for the synthesis of minerals come across the same transmutations. Our findings are thus confirmed by a different agent and both converge in the concept of a nucleus formed of “cleavable parts”.

I hope that the reader who has attentively read this work will be aided by the knowledge of the phenomenon of biological transmutation. More books will be translated from French into English in the future. These books will, of course, include new experiments made by those who are now applying the biological transmutations in their respective fields of research. In view of this fact the theoretical aspect of our subject has been neglected in this work. *Michel Abehsera*.

[END OF QUOTING]

I ask that this “*Epilogue*” also be inserted at the end of the last chapter of *BIOLOGICAL TRANSMUTATIONS*.

May you begin to “see the Light” as the saying goes. You not only have been fed the wrong foods—but the WRONG information. It is never more seriously true in your world where two wrongs do not even come close to one “right” than in what you have now done to your wondrous bodies, in ignorance by you—intentionally by your controllers. May the best man win this trial and may YOU be the best man.

A lot of you observe the birds of the air and even the chicks of your fields and note that there isn't enough for them to eat in certain times and ponder on what they eat! Dirt! They eat a lot of "Mother Earth" for they instinctively know their needs—it would have been quite wise if you had eaten a few of those mud-pies and sand-piles as a child. So be it. You appear to be a flesh-and-bones type of animal—you are an electric machine! Salu.

Gyeorgos Ceres Hatonn  
September 6, 1995

## CHAPTER 1

REC #2 HATONN

SUN., AUG. 20, 1995 12:57 P.M. YEAR 9, DAY 004

SUN., AUG. 20, 1995

*“One perceives the fundamental essence of life in the living, not in the inanimate, in that which is changing, not in what is finished.” Goethe*

[Part 1 was the Foreword by Michel Abehsera.]

[QUOTING:]

### BIOLOGICAL TRANSMUTATIONS, PART 2

by Louis C. Kervran

English translation: Michel Abehsera.

### INTRODUCTION

*It is premature to reduce the vital process to the quite insufficiently developed conceptions of 19th and even 20th century physics and chemistry. L. de Broglie.*

Lavoisier was a great scholar of the 18th century. He is considered the father of modern chemistry. The general principle with which he worked and from which he derived his new science is that nothing is lost, nothing is created, everything is transformed. The atom being considered the smallest particle of matter and a constant in nature, it was assumed that no element could be created. The atom could not disappear. If it should separate from a molecule of two or more atoms, it could be found unchanged in another molecule.

This principle could in no way be refuted or even debated. It was the basis of the official science of the 19th century. Those who studied it gave it a general extension and applied it to every science close in spirit and form to chemistry. There were enough experiments to support it. It was not until the 20th century that this principle, left undiscussed for more than one hundred years, saw its first officially recognized contradiction. This was the discovery of natural radioactivity, showing that some bodies can be transmuted into different bodies, a principle for which the alchemists of the Middle Ages were so exaggeratedly ridiculed in the 18th and 19th centuries. An atom of radium was finally transformed into a non-radioactive and stable atom of lead, as one can read in books concerning the discovery of radium by Marie Curie.

In chemistry the label “element” is given to what in common language is termed a “body”. “Element” is the actual scientific term, which is why we label oxygen, sulfur, calcium, copper, etc., elements. Atoms have a number of protons (heavy particles charged with positive electricity, constituting, along with the neutrons, the atom’s nucleus) equal to the number of electrons (light [-weight] particles charged with

negative electricity, moving in orbits around the nucleus). An atom is electrically neutral because it has an equal number of electrons and protons.

Elements were long ago called “simple bodies” because they represent the simplest possible unit of matter. They had existed since the creation of our planet, and could be neither created nor broken down by man. They could only be “moved” from one molecule (or composed body) to another. It is on these simple bodies that Lavoisier’s law is based.

It was established that there are 92 elements in nature, this being deduced and assembled from analogous cases concerning properties of matter by Mendeleev who, in the middle of the 19th century, classified the known elements in a table. The table was charted with empty boxes which were to be filled with new elements corresponding to the characteristics foreseen in a specific box.

Some boxes remained empty, not only because some elements were yet to be isolated, but also because some of the elements no longer existed on earth, being radioactive elements which had long ago been transmuted into other elements. This theory remained precarious until the 20th century when it became possible to produce these lost elements artificially, with nuclear physics. These elements might never have existed in natural form, but may be created under artificial conditions in a laboratory. This breach with Lavoisier’s law, however, concerned only radioactive bodies studied in nuclear physics. In chemistry the teaching continued as before that nothing is lost, that it is impossible to create something by chemical reaction. This is conceded in “chemistry”.

### CHEMISTRY AND ITS LIMITS

The serious error of scientists consists in their saying that reactions occurring in living matter are solely chemical reactions, that chemistry can and must explain life. That is why in science we find such terms as “Biochemistry”. It is certain that a great number of manifestations of life are produced by chemical reactions. But the belief that there is only chemical reactions and that every observation must be explained in terms of a chemical reaction, is false. One of the purposes of this book is to show that matter has a property heretofore unseen, a property which is neither chemistry nor nuclear physics in its present state. In other words, the laws of chemistry are not on trial here. The error of numerous chemists and biochemists lies in their desire to apply the laws of chemistry at any cost, with unverified assertions, in a field where chemistry is not always applicable. In the final phase the result might be “chemistry”, but only as a consequence of the unperceived phenomenon of transmutation.

This severe error has led the scientific world to believe that one should find at the other end of an organism exactly what was originally given it. In other words, scientists expect to obtain a null balance sheet, counting that which has been retained by the organism or that which the organism has used up from its reserve. But balance sheets are never null. Today’s scientists avoid the problem by saying that something escaped them during the experiment—unfortunately, a confession of incompetence.

Specialists in biochemistry fail to tell us why a chemically pure reaction, such as the one in which an atom of nitrogen and an atom of oxygen are combined, can be realized only *in vitro* at the electric arc temperature (or at a very high temperature and pressure). Living organisms do the same at room temperature! Many similar cases can be cited showing that the living organism is capable of reactions which can be



reproduced in the laboratory only by a great deal of energy. Proteins are hydrolyzed in the stomach at 37°C in a slightly acid medium, but this same reaction requires a 120°C temperature and a highly concentrated acid medium to be realized *in vitro*.

Enzymes, which are a kind of biological catalyst, are no doubt responsible for making this *in vivo* reaction possible at low temperature. But the exact mechanism is not known; (it differs, however, from the catalysis with which we are familiar in chemistry).

Again, Lavoisier's law is not being rejected here, nor is any law of chemistry. What is rejected is the attitude of too many chemists who apply chemistry in every domain. This phenomenon studied in the next pages is not chemistry. Einstein wrote, "The essential is to get rid of deeply rooted prejudices, which we often repeat without examining them." **[H: I guess this is about the only thing Einstein ever wrote with which I absolutely and whole-heartedly AGREE.]**

The aim of this book is not to give a very detailed explanation of the mechanisms of biological transmutation, but only to show that they exist and, better, that they are being applied. They will be explained, perhaps, in the future at a time when science is ready.

We are probably on the eve of a great change in physics. Too many physicists have thoroughly committed themselves to paths which but lead to quicksand. But we are departing from our subject. My intention was only to remind the reader that great men of science, such as Einstein, de Broglie, etc., are teaching us to remain modest, to recognize that our knowledge is far from absolute, that teachings are not always true, and that there are transient hypotheses, even in physics which is labeled an "exact science". This is even more true in biology, where the complexity is enormous and where we must be most cautious in our explanations. We observe results, but to describe the detailed mechanism leading to these results is always more or less subjective. It is hoped that this book may be objective so that it might assure the reader of the existence of a phenomenon other than chemistry—a deeper kind of phenomenon, not a mere exchange of electrons in the peripheral shell of the atom.

The limitations of chemistry can be revealed by a few typical examples in which researchers have failed to give any substantial explanation of certain phenomena. Other examples will demonstrate that there is a biological transmutation of elements. If the reader finds his faith in Lavoisier's law somewhat shaken, he will be further surprised to find that many other explanations given him in the past are unfounded or tenuous, existing only to satisfy the dogma of "the invariability of elements".

For example, it is said that when a plant is enriched in an element different from those it previously contained, it has "obviously" taken that element from the soil or from the jar in which the experiment was conducted. Terms such as these are used: "Concentrated", "preferentially fixed", etc.; and the question is dismissed. Those who employ such terms have never measured the total content of the element in question—neither in the experimental jar nor in the soil—before and after cultivation. The latter should have been done if only to determine whether what was added to the plant was still in the jar. There is much talk about a possible source "by migration", but coming from where? And why? By what process—through impermeable soil? **[H: I do not want to change subject in mid-cycle but I would consider "impermeable" as to not be absolute as the term would imply. You cannot contain [or block] such as cosmic waves, or for that matter, any type of high frequency sound or light waves. However, as**



in a growing medium with fertilizers, etc., for soil and plant growth medium you do need, in Gaiandriana for instance, the PARTICULATE of these elements which give whole life to the Dria cells. It is elevation in frequency that we try to achieve for the “healing” characteristics in repelling damaging microbes of one sort or another—BUT THE WHOLE LIFE CELL MUST HAVE THE ELEMENTAL PARTICULATE TO REACH FULL MATURITY WHICH IS THEN CATALYZED BY COSMIC ENERGY WAVES. THE FREQUENCY IS SIMPLY NOT ENOUGH WHEN THE SUBSTANCE IS FOR INTRODUCTION INTO THE BODY FOR IMMUNE SYSTEM PERFECTING. There is no concern “here” but as we get further along and more tampering and tinkering is going to be taking place by those who THINK they have DRIAS, there will be incomplete substance making its way to you-the-public. PARTICULATE of the elements MUST BE PRESENT TO PERFECT ABILITY OF TRANSMUTATION IN THE GAIANDRIANA GROWING AND CONVERSION MEDIUM.]

Thus we must change our way of thinking entirely and be more cautious about what teachings we accept. Let us cite F. Dagognet who, in *Atoms*, revolts against the simplistic teachings of many of his colleagues. To use just one of his examples, he writes about respiration: “The CO<sub>2</sub> is exhaled before the oxygen enters; more exactly, the formation of the pyruvic acid or the ‘acetyl-coenzyme A’ takes place without its help, or at least without its direct influence. We are miles away from Lavoisier and the first biochemists who believed that respiration is combustion.”

Brillouin, a great physicist, readily admitted that not all laws of physio-chemistry deduced from experiments performed on dead matter are necessarily true with regard to living matter. He cites the case of one of the laws of thermodynamics, **that of the degradation of matter. It is the force opposite that of entropy** (“negative entropy”!) **which maintains life.** Explanations given by physicists—where they try to show that this law of Carnot is an absolute law, always true, applicable to the “living”—are of baffling naiveté. They do not dispute the fact, proven by experiments, that energy is provided by the living, but they declare that the living being receives that energy from its environment. Why then bring out the 2nd law of Carnot-Clausius, which has value only in a closed medium with no exchange whatsoever with the outside? This has nothing to do with entropy, positive or “negative”. These are empty words. J. Rueff declared that Clausius, by setting forth his principle, “committed an audacious, if not hazardous, generalization, for it has value only in isolated systems formed of elements independent of one another.”

It is not difficult to see that life itself is in complete opposition with the law of entropy. Why? What is the secret? It is not known. What we can see, nonetheless, is that there are inexplicable phenomena which it is our role to decipher, be it with chemistry, physics, or biological transmutations.

## PHYSICS

All laws of classical physics have been deduced from experiments made on dead matter. The principle of divergence—of elastic waves, acoustic, luminous, or material: all the physical waves of the inert—is not applicable to biology. Physicists such as Watan, Adams, MacLennan, Penrose, and Percival have shown the link between a progressing entropy (a degradation of energy or, more exactly, an increasing degree of molecular disorder) and the retardation of the waves. With Costa de Beauregard we can speak of a unity in physics, whose laws about dead and living matter would be as front and back, inseparable and complementary. We recognize here the concept central to Far Eastern philosophy, that of Yin and Yang, a unique

principle with two faces.

Physicists were not surprised at the news: the biological transmutations made sense to them. In a way, they had been waiting for them. It was in the order of things. That is why the physicists were the first to give their support. To reject the biological transmutations *a priori* in the name of nuclear physics—a science based on observations of dead matter—is to evince an ignorance of this duality (yin and yang) which exists in all aspects of physics.

The greatest men of science now recognize that neither the chemistry nor the physics of inert matter is integrally applicable to living matter. Szent-Gyorgyi, who was awarded the Nobel Prize, expressed this point quite well in his disagreement with the physicists of yesteryear: “This makes the relationship between the physicist and the biologist rather delicate... If I had always accepted the physicist’s verdict, I would have abandoned this way of research. I am glad that I did not do it.” He arrived at the conclusion that molecular biochemistry is not enough to make us understand what happens in living matter, that one should take a step down in the structure and study the atom, because it is at the sub-atomic level that the unknown is being produced. Otherwise “physics is the science of probabilities... biology the science of the improbable.” (Szent-Gyorgyi, *Introduction to a Submolecular Biology*, Acad, Press [London, 1960.]) The improbable surely happens, because quantum mechanics proceeds only on the basis of statistics. But in biology things are different. An electron makes a sure jump and one only; it never misses the target. (This explains the small amount of energy necessary.) Why? This fact brought Szent-Gyorgyi to write: “Even quantum mechanics should be improved in order to be applicable in the analysis of most problems in biology.” We are hanging in the air!

Let us recognize, however, that Szent-Gyorgyi and the others who follow the same path have but glided over the atom. They saw only what happens in the outer layer. They then remained in the field of psysio-chemistry as it is now conceived—that is to say, the physical study of the movements of electrons in the peripheral layers. (The electrons, becoming “excited”, jump to place themselves in levels other than those of their normal orbit.)

It will be widely demonstrated that there are other biological phenomena unexplainable by the movements of the electrons—that is, by chemistry or physico-chemistry—because of a frequent incompatibility between biology and these sciences.

L. de Broglie recognizes this incompatibility in *Matter and Light*. **[H: Readers, you who can’t wait for our dissertation on the subject of Light relative to “matter” which we presented in the now-banned series of volumes—you may wish to seek out this man’s work. It is excellent and completely covers more understandable aspects of the “science” and spiritual realms of LIGHT secrets. Otherwise just stay with us a bit longer and we will help you make sense of the relationship and with that of “soul” energy.]** He wonders if “the new conceptions of physics would help us understand why the classical methods of objective science have difficulty in adapting themselves to the vital order.” Modern physics, as it was developed in the second half of the 20th century, has its roots in quantum mechanics. It took shape with Bohr and Planck and found precision with L. de Broglie in the beginning of this century, blossoming in 1960 with Gabor and Brillouin. Then came Jorden, Augier, Davilliers, etc., who touched on the different observations which had led them to believe that the microscopic physics of the inert is not always valid in living matter, where the parts are interdependent. These parts are all

coordinated and have obvious interaction; otherwise there is no life. All this brings us far from Einstein, Heisenberg, Schrodinger, and Dirac. **[H: And here you find the greatest few giants of misinformation toward building of a misinformed society in order to relate to and gain a New World Order. The only ones who would be left to know truth would be the ones with the ulterior motivation of the Zionist Khazarian rulership of your globe. Such obvious truth-bringers would be burned out and the work disallowed publicity and such daring ones who would come forth would be ridiculed and stripped of their “Rockefeller” credentials toward a healthy and strong civilization. You, through these methods, became totally an unadulterated PEOPLE OF THE LIE. There is no way that Einstein’s theory of relativity can be correct—no way—and worse, he knew it. He was busy, if you recall, helping to build atomic BOMBS.]** It is now widely admitted that a molecular reaction in living matter is controlled by a modification of the position of the electrons in their orbit (thus by their energy); that it is at the subatomic level that the chemical reaction is first prepared. But one must probe even more deeply in the study of the atom, not only because it is unknown why and how these electrons “get started”, but because other phenomena intervene in the heart of the atom.

Today physicists are obliged to recognize that at the subatomic level laws such as the conservation of mass or energy are not always observed, even in the physics of the inert. Bohr long ago recognized that we cannot say *a priori* that the law of conservation is valid at the level of the atom. J. Debieesse, director of the Centre d’Etudes Nucléaires of Saclay, remarked that the emission of pi [ ] mesons occurs with the sudden increase of the system’s mass and energy. (Thus the energy does not increase due to a loss of mass; there is also an increase of mass.) Debieesse writes, “It remains to be seen whether at the speed of exchange  $10^{-23}$  seconds the law of conversion of mass and the law of energy are still valid.” Such things brought R. Furon to say, “The rapid advance of our scientific knowledge excludes any orthodoxy and conformism.” (In the magazine *Revue Générale des Sciences*, Paris).

Let us accept these lessons of modesty from our most eminent scholars. We shall then be ready, with no preconceived purpose, to become acquainted with the following study. Einstein’s law of  $E = Mc^2$  will not, then, be accepted as absolute in advance. Even Einstein himself indicated the limits of this law of “special relativity”, special because it is applicable ONLY to non-accelerated and non-circulatory movements. (Einstein’s first postulate admits that his law is valid **only** in a uniform and rectilinear movement.) Another restriction, pointed out by Einstein, is that this law is valid only if one accepts as the second postulate a constant velocity “c” for light. He then declares that that same postulate is cancelled out by his law of General Relativity; otherwise it would be impossible to explain the curvature of light under an intense gravimetric effect. (A constant speed is represented by a straight line. If positive energy is given to the mobile, the line curves in upward. A negative energy X reduces the speed, causing the line to curve in downward. The acceleration by gravitation curves the light. Its speed is no longer constant.) Let us take the example of the luminous ray coming from a star skimming over the sun’s edge. The star is visible sooner than would be possible if the calculation were made when light comes in a straight line. (This phenomenon has been observed during solar eclipses.) It was thought that it might be the result of diffraction occurring when light goes through the chromosphere of the sun (or perhaps only through its “crown”), in other words, when the ray goes through an area more dense than the “vacuum” of space. This occurrence implies a variation of the speed of light, which diminishes or increases in proportion to the density of the media passed through. This curvature would then allow us to calculate the refractive index of the solar chromosphere.

I could continue to point out “weaknesses” in the presently practiced science of physics. However, it would take many pages simply to discuss the fact that not all energies brought into play in biology are of the same nature of those of gravitation.

There is not the least doubt that Lavoisier was perfectly correct in his field. We understand why. Chemistry is the science of the combination of atoms; it studies in a specific way the variations in the links between the peripheral electrons of the atoms, which gather into molecules.

**[H: But how could we KNOW that Einstein’s laws were not actually “laws”? He said they were not. Now how can you know that Einstein was a controlled man and a servant to his controllers? Well, for one thing, a scientist of his supposed caliber would not be attracted to the usual sexual “stings” of blackmail or bribery. This “scientist” was so mortal, my friends, that he actually had an affair with a known mind-controlled “MONARCH” with a stage name of Marilyn Monroe. So, “which” Einstein? The one that sold you out for a bill of goods in a sexpot’s butterfly. Einstein was, just as his cohorts were, a presentation of the Evil Empire.]**

### THE SYMBOLS IN NUCLEAR PHYSICS

The chemical symbol for the atom is not always sufficient when we are dealing with the atom’s nucleus. It is often necessary to indicate the total number of particles (i.e., protons and neutrons, which are both nucleons or particles of the nucleus). This is because the natural elements are made of different atom combinations: all the atoms of the same element have an identical number of protons and electrons, since a normal atom is electrically neutral, but it was discovered that the number of neutrons in a nucleus can be different. A neutron owes its name to its being neutral. It has almost the same mass as a proton.

Atoms having the same number of protons but a different number of neutrons are called “**isotopes**”. They are written thus:  $^{24}\text{Mg}$ ,  $^{25}\text{Mg}$ ,  $^{26}\text{Mg}$  [these being stable (non-radioactive) isotopes of magnesium], which means that in those nuclei there are 24, 25, or 26 nucleons. Since all have 12 protons, the number of neutrons can easily be found by subtraction. Likewise, we have  $^{10}\text{B}$ ,  $^{11}\text{B}$  for boron,  $^{12}\text{C}$  and  $^{13}\text{C}$  for carbon,  $^{28}\text{Si}$ ,  $^{29}\text{Si}$ ,  $^{30}\text{Si}$ , for silicon, etc.

Notations of this kind can often be found:  $^{16}_8\text{O}$ ,  $^{17}_8\text{O}$ ,  $^{18}_8\text{O}$ , for example, which are the three stable isotopes of oxygen. The small index 8 means that there are  $16-8=8$  neutrons in the isotope 16,  $17-8=9$  neutrons in the isotope 17, and  $18-8=10$  neutrons in the isotope 18.

The phenomenon of biological transmutation applies to the nuclei of the atoms, but the most important and abundant of these transmutations are found to occur mostly with the first 20 elements and to a lesser extent with the next 10 (from a total of 92 elements). **[H: Actually we know from our writings on “Secrets of Light” that there are far more elements than this.]** The elements are put in order according to the number of their protons (and electrons). Thus hydrogen (H) comes first; it has only one proton and one electron. Then comes helium (He) which has 2 protons; lithium (Li), 3, etc. **[H: Now, here is where it gets very important to know that THERE ARE MORE THAN THE LISTED 92.]**

Simplified notations have been chosen so that everyone can understand. Our aim is not to pursue

theoretical explanations but to observe facts which cannot be understood in terms of chemical reaction. It is in explaining these that comparisons with chemistry might sometimes prove useful. Reality is too complex to be always accessible by our present scientific knowledge. We do not know, for example, why, during electrolysis (with no system of evaporation in effect), hydrogen and oxygen appear on the electrodes in gaseous form, although in water they do not exist in this form.

No one knows much about what goes on in a catalysis, nor even what happens in a chemical reaction (ignoring, for example, the instantaneous energies). No one knows how the releasing process from wake to sleep comes about, how aspirin works, etc. This is why theories will be avoided here. Only results will be shown, together with phenomena observed in the past and kept in the dark.

Many answers will be given in the following chapters. Systematic experiments which have been made to verify the conclusions of the past ten years will be cited. All precautions will be summarily indicated in order to avoid assuming the position of an analyst of mineral chemistry.

It may be that some chemists and atomic physicists will be hurt. Biological transmutation is a new science which has not yet found its own language, hence there is no way to make ourselves understood except to use the “old” symbols familiar to us all.

In such a study as the present work, it is rather difficult to avoid approaching the many separate fields of science. May the specialists of every particular branch excuse such presumption. Sometimes the exact and desired term is not used, either because the branch under consideration is insufficiently familiar or because hermetic terms would have rendered the text inaccessible to a larger public. This applies even to the specialists themselves, because the vast synthesis projected here places the essential part of this work outside any single discipline. It is hoped above all that no aspect of this exposé has been distorted for the sake of simplification.

### SYMBOLS FOR THIS BOOK

We have proposed the symbol  $\mathbf{:}=\mathbf{:}$  to distinguish it from the symbol  $=$  which is good in mathematics or chemistry, indicating two valences, and to distinguish it also from the symbol  $\leftarrow$  used in chemical reactions, which means that the reaction is reversible. If we want to indicate the only direction the reaction takes, we write (in chemistry):  $2\text{Na} + \text{O}$  (arrow to rt.)  $\rightarrow \text{Na}_2\text{O}$ .

With this type of reaction occurring in biological transmutations, in order to make clear that no chemistry is involved and thereby avoid confusion, we note  $\mathbf{Na + O :}=\mathbf{K}$ . This indicates a reaction from left to right. There is no reversibility as is found in chemistry where one may end up with an equilibrium between the atoms on the left (the constituents) and the composed molecule on the right. In our reactions when we indicate  $\mathbf{:}=\mathbf{:}$  we mean that the reaction is reversible but not with the same agents. Different enzymes are required; some can be made only by animals and some by plants.

The reactions can be subtractions; the potassium nitrate in saltpeter—which is found in the lime on walls—comes from calcium when bacteria cause a subtraction of hydrogen in the middle of the calcium atom. Calcium - hydrogen = potassium, or  $^{40}\text{Ca} - ^1\text{H} = ^{39}\text{K}$ .

It can be seen that potassium has two origins: sodium plus oxygen, and calcium minus hydrogen. A law now emerges from these biological transmutations: reactions at the nuclear level of the atom always involve hydrogen and oxygen. In biology, there are not only chemical reactions with oxygen (oxidation) or hydrogen (reduction). There exists a phenomenon deeper than the mere “hookings” of the peripheric electrons.

It might be useful to know that very often, to simplify our writing, we write only the number of nucleons (above and at the left of the symbol); we do this because we take for granted that the reader knows how many protons there are—see Mendeleev’s periodic table—and the number of protons is sufficient to identify the element. Thus if, for example, the symbol Na is given, one knows it is sodium; it would be repetitive to add the number of protons to again indicate that it is sodium.

For practical reasons, however, one may record the proton number also. If one has  ${}_{11}\text{Na} + {}_8\text{O} := {}_{19}\text{K}$ , he adds the protons (written below and on the left) and automatically gets the atomic number of potassium.

The same method would be used for other elements.

The complete writing is  ${}^{23}_{11}\text{Na} = {}^{16}_8\text{O} := {}^{39}_{19}\text{K}$ , the numbers on the left giving the numbers on the far right. It is important to note that in this type of notation the number above and on the left is not the atomic mass, **but the number of nucleons**.

[END OF QUOTING]

This is sufficient for the day. Thank you.



## CHAPTER 2

REC #1 HATONN

MON., AUG. 21, 1995 7:32 A.M. YEAR 9, DAY 005

MON., AUG. 21, 1995

### ANYONE FOR A BIT OF WISDOM?

The calls are pouring in as are the letters as to Ronn Jackson's failure to present anything, so far, of all that has been promised. Have YOU presented everything YOU promised?

Yes, yes I know that he was "different"; he was going to take on and bash every politician he ever heard of and buy the world in the first three days after freedom. Didn't it actually sound a bit too good to be true even for a Mega-human? Remember that the talk is of loss of position for individual politicians, mega, mega-money, dreams, hopes, destruction, building—all these things which will bring pain and agony upon the enemies of humankind.

You are readying for war in Los Angeles which will actually mean war around your own nation U.S.A. And, as USUAL, your troops are being sent for sham to the Middle East. How OLD can the shenanigans get before you see through the faded tales and worn shrouds? And what of friendships such as you have touched through such as Ronn Jackson which are filled with hope but inability of "substance"? Does it mean HE has failed somehow? Perhaps, but wisdom should shelter everything you do and every act you take. Some steps must be daring and filled with risk but most of you are not even asked to take such drastic actions.

I don't know why some of you, sight unseen, will head for the near wilderness of New Mexico, especially mothers with little children, to await what now appears to be some Messiah (which only means "messenger" at best). Do not false messengers SOUND GOOD? No, I am not saying anything other than my goodness: what does it take for some of you to become more wise in your actions?

Now the calls reflect that it does no good to try to speak to Ronn after the sun is over the "yardarm". I consider a man's habits and addictions to be his own and that which is individual responsibility. If a man presents himself as a drug abuser, alcohol addict, or child molester—you have to discern and decide that which YOU want to place in his care and direction. Leadership comes in all kinds of packages and the "waiting" phase of any operation allows the troops to get to know the leader. Why are you calling him anyway—didn't he say he would "call you" when...? Perhaps today is THE day but will you be so busy denying that you can't be ready? It takes more to serve a nation of citizens and BUILD A REPUBLIC than a bottle of scotch and non-THINKING grasshoppers. WHAT HAVE YOU DONE, ACTUALLY, WHERE YOU ARE?

All I suggest you do is THINK! There is always time to act if thinking is CLEAR and a good foundation built in preparation for whatever consequences. There is hardly ever a way to dig out from under the

massive load of entropy that builds thoughtlessly and unrealistically around promisers, prophets or would-be leaders who don't ever seem to have the "right stuff". Don't I ever get annoyed and prickly out of my "wisdom"? No—not often. I do get a bit "testy" when such focus tells others to head for my table to be fed, sheltered and clothed—sight unseen. There is nothing to be found here where we write—so what is the assumption offered in this instance? That we have something or other which is secret and cultish. NO, there is nothing here save a keyboard and computer—hooked, by the way, directly to the same but better equipment at Edwards Air Force Base (now a United Nations base because you no longer have a U.S. Air Force save in name only) and to the CIA wireless receivers for same. Does Dharma always translate correctly? Well, ask the CIA—they pick up the signals just as she gets them.

Am I blasting one Ronn Jackson? No, I AM suggesting that a lot of foolish things are going on on that cart you have pushed in front of the horses which are not yet arrived.

"Why don't you do something?" I am asked over and over again. What would you have me do? I ask you: **Why don't you do something?** I am NOT on any committee; I have made NO PROMISES UNKEPT; I have a mission and it may well have a lot to do with New Mexico territory but not, other than to assist, in any building of a government, Republic or otherwise. My job is to offer information and to get and keep God's people in safety either on your place or off your place. I HAVE BEEN PROMISED A LOT OF THINGS AND AMONG THOSE THINGS IS SERVICE IN NEEDED WORK AND FUNDS FOR VALID PROJECTS OF INDUSTRIAL NATURE IN A WORLD GONE INSANE. Governments of MEN and kingdoms of physical aspirations are of MEN—NOT GOD.

We have information to offer and integrate, visions to allow dancing alive and awake and we too, are impatient and irritated at delays but we do not assume that God has forsaken our mission or ourselves. We go right on doing all we can do in the interim sequence and, while "waiting", we have birthed product after product that can literally save the very lives of humankind. We have written thousands upon thousands of pages of RIGHT and CORRECT information and offered the very writings and teachings of the REAL patriots, the REAL scientists and the REAL knowers of GOD. We have birthed and seen MIRACLES at our own hands—what have YOU seen and worked??

Dear ones, with Ronn Jackson, Gunther Russbacher or Mark Twain, you can lay the foundation of a friendship in a matter of moments, but it is a real work of time to build a lasting monument of a true friendship.

Were our knowledge of human relationships a hundredfold more reliable than it is now, it would still be foolish to seek ready-made solutions for problems of living—in the "index" of a book. YOU HAVE TO STUDY THE BOOK!

Mr. Jackson tells us all that he has over 32 million pieces of mail stacked up somewhere unseen. That would mean a LOT of you have written and expressed desire for freedom. Many of those pieces of mail would be duplications but from just *CONTACT* and other "patriot" groups, you would not reach that number. If Ronn Jackson could, as he offered, write 800 letters in one day—then he certainly can work far more quickly than can I. But if a man tells me a thing—I accept it for I know that sooner or later TRUTH will be proven to confirm or negate the offering.



So, what do “I” know about this man in point? What difference does THAT MAKE? Is it not what YOU know that manages “your” living?

I do know that I have agreements with ones who say they will work THROUGH the conduit of this man. These ones at that level of controlling influence are usually dependable in agreements because they know who I am. I have no input about their relationship with Mr. Jackson. I am not on your committees; I am simply trying to get a mission accomplished in your arena WITH SOME OF YOU.

I most certainly AM IN FAVOR OF, and will assist every way I can, a Republic foundation for government being built somewhere away from Washington D.C. where the bile and bilge of a dying nation is over your heads. However, you have a “free-will” society and, although it appears the “free will” is only on the part of the Usurpers, you CAN do something about it—but you have to wake up before you can even see enough to do anything. It may well shock you to learn that MOST PEOPLE like it exactly like it is. The only time most people feel “alive” is when they are in pain, compromise, war, hardship or whatever gives rise to sensing reaction. The next offerings for you nice woodwork dwellers are virtual reality games and home shopping so that you don’t even notice you are prisoners in your own mind. Is this what you want? Is it so unusual to want to experience whatever you perceive to be valid until you die? Someone wrote a crude slogan on a bunch of Tee shirts and coffee mugs: “Life is the shits and then you die!” Is this your slogan as well? Then perhaps you see why things around you abound in crap.

LIFE IS A STAGE OFFERED YOU UPON WHICH TO EXPERIENCE, EXPERIMENT AND LIVE. IT WILL ALWAYS BE THAT WHICH YOU MAKE IT TO BE. HOWEVER, IF YOU LEARN THE TRUTH, YOU CAN LIVE MUCH, MUCH DIFFERENTLY THAN THE PUPPETS OF WHICH YOU HAVE BECOME. GRADUATION REPRESENTS THE REMOVAL OF THE STRINGS (TRAINING WHEELS) AND THE GROWTH TO RECOGNIZE LIVING. THIS IS A TIME FOR STANDING ON YOUR OWN TWO FEET AND TAKING RESPONSIBILITY. YOU HAVE TO MAKE THINGS HAPPEN IN YOUR OWN BEHALF—NO GURU OR POLITICIAN, CON-MAN OR LABORER CAN OR WILL DO IT FOR YOU!! FANTASIA-LAND IS ONE PLACE OF RECOGNITION AND VISION-LAND QUITE ANOTHER. ONE ACCEPTS NO RESPONSIBILITY AND THE OTHER ACCEPTS FULL RESPONSIBILITY. SO, BEFORE YOU ASK ME ANOTHER QUESTION ABOUT SOMEBODY—LOOK IN THE MIRROR AND SEE WHERE YOU ARE, PLEASE.

May we please move on with our presentation in progress. Things of the world will rush on past like lightning in a late summer thunder-storm but REALITY and THE WAY IT IS will be FOREVER. Will you know what IS forever, OR JUST CHASE THE RAINBOWS OF NON-REALITY?

### BIOLOGICAL TRANSMUTATIONS, PART 3

by Louis C. Kervran

English translation: Michel Abehsera.

[QUOTING:]

CHAPTER I  
ABERRANT OBSERVATIONS:  
ON CHICKENS

**[H: Word meaning: “Aberrant”: deviation or distortion.]**

My parents had a few chickens which they kept in a chicken coop adjoining a yard. We lived in Brittany, France, where my father worked as a government official. The area was full of slate rock and granite, but absolutely devoid of limestone. Limestone was never given to the chickens, yet every day during the egg-laying season they laid eggs with calcareous shells. At that time I had not yet asked myself from where that limestone came, but I was intrigued to observe that when the chickens were let loose in the yard, they scratched about incessantly for fragments of mica strewn on the ground. (Mica is one of the components of granite, along with quartz and feldspar; all are components of *silica*. This is all I knew then when I was in elementary school.) I noticed this neat choice that had been made by the chickens, when the sun shined after a rain: well washed off, these hundreds of visible fragments looked like tiny mirrors. The imprints of the chickens’ beaks were easy to follow.

No one could explain to me why chickens scratched mica and not sand. Whenever a chicken was killed I observed my mother opening the gizzard and finding small grains of sand, but never mica. Where did this mica go? Into the stomach? Why was this mineral swallowed by the chicken? This problem intrigued me and remained in my subconscious like anything mysterious, because I rather liked to have “solid and logical” explanations... the whys of all children.

ON INCANDESCENT STOVES

In the elementary school classroom in the borough where I lived, we were heated by a rudimentary stove made of cast iron. There was a key on the pipe to regulate the draft—or we could push or pull the ashtray. Old oak was mainly used. When the wood caught fire, the stove very quickly began to “snore” and became red. Then everyone complained of headaches. That is why an “officer in charge” was appointed to turn off the key or push the ashtray when the stove started growing red.

The headaches, the teacher told us, came from the carbon monoxide emitted by the stove at the red-hot point. At school, however, the belief was that slow combustion gives off carbon monoxide (CO), while fast combustion produces carbon dioxide (CO<sub>2</sub>), which is less dangerous. We were advised against sleeping in a room having a stove with a slow draft.

I couldn’t make up my mind. If the stove becomes red, it is precisely because it has a good draft system, a very good one, and there should be no formation of carbon monoxide. All the explanations given to the questions I later asked my teachers were so little convincing that this mystery also stayed in my subconscious. **[H: Can you now see the impact of misinformed teachers? A child is required to believe whatever his teachers, through force, teach. If the lessons be incorrect the child is destined to probably be forever ignorant of truth in just about everything for one lie builds upon another, one ignorant thought upon another until there remains no truth and a bunch of ignorant people trying to make reality of the farce.]**

The scientific answer is this: red-hot cast iron becomes porous and allows the CO within the stove to

seep out instead of leaving by way of the smoke pipe. If I objected that there could not then be carbon monoxide from a fast, complete combustion, the reply was that  $\text{CO}_2$  went through the red-hot cast iron, became rich in carbon, and then became carbon monoxide. This meant that the cast iron would eventually lose its carbon! I have never seen a few hundred grams of coal (approximately 40 grams per kilo of cast iron) disappear from a cast iron stove to produce a stove of steel! These hundreds of grams of carbon would have burned quickly! Even if cast iron is porous when incandescent, I do not believe carbon monoxide is produced in the contact of  $\text{CO}_2$ . Thus, to make things worse, we are considering unreal conditions, since if the stove draws well it is because there is depression. This means that if the cast iron is porous, there won't be any gas seeping out. On the contrary, there will be an "air call" through the porous wall!

But what really happened? Undeniably a red-hot stove in a closed room brings about intoxication, sometimes deadly, from carbon monoxide.

The explanation of all this came to me indirectly when I was fifty years old, although when I was still a child the problem had already repeatedly presented itself. I had to wait until 1955 for a convergence of mortal accidents to make me doubt the theory of the "invariance of matter". Notwithstanding the current respect for official prescriptions, there were nonetheless many people who had met death by carbon monoxide intoxication, although it was attested to by many analyses that the victims could not have inhaled carbon monoxide. I crossed the Rubicon, and with coworkers (eleven were engineers from the finest schools of France) undertook a long series of experiments. We secured the help of official laboratories along with the cooperation—for blood analysis—of many M.D.s. I abandoned my postulate concerning the invariance of matter in order to confirm or nullify my hypothesis about the real cause of death, intending to concentrate only on results, whatever they might be.

In the meantime, in the spring of 1959 I was led to conclusions which revealed the explanation. Balance sheets had been established on teams of workers. The Minister of the Sahara himself, Jacques Soustelle, an ethnologist, had given me the opportunity to make a close study near petroleum wells. In spite of the prevalent classicism, I decided in the summer to publish these aberrant balance sheets, established from chemical and physical points of view, but resulting from research I had made with the cooperation of the most eminent specialists of organic chemistry, together with professors of medicine who believed that I was on solid ground.

As a high official of the French government, I had the unique privilege of using any official laboratory. I could thus have the collaboration of the most eminent specialized chiefs of laboratories, professors of universities, etc. (for it is impossible nowadays to ask the same laboratory to make different experiments). This privilege proved very useful to me. Without such a synthesis of disciplines my task would have been impossible. No isolated specialist could have succeeded. I thank all the eminent men of science who brought me the support of their high qualifications, permitting me to prove and confirm the validity of my theories.

### ON WELDERS

In 1935 I made an observation which left me perplexed. A blowtorch welder was mortally intoxicated by carbon monoxide. My job was to investigate the conditions surrounding the accident in order to

determine the causes and eventually prevent them. Nothing enabled me to discover the source of this carbon monoxide.

Many times after that such accidents occurred, and on no occasion could I find the link which would lead me to the origin of the inhaled carbon monoxide. These facts remained in my subconscious until 1955. It was not until that year that I saw the light.

That same year in the space of a few months, three oxyacetylene welders died. I received all the detailed reports, including autopsies. All evidence indicated that the welders, who were all steel cutters, had died from oxycarbonaemia and not from nitrogen oxides.

Analysis showed that the inhaled air had too small a percentage of carbon monoxide to be dangerous. It was then decided, with the assistance of M.D.s working for the companies, to make blood analyses on all the victims' comrades, although they looked in rather good health. We found that those doing the same work were deeply affected with chronic oxycarbonaemia, some to a level approaching that of fatal accident.

I put together all I had and imputed the fault to working conditions, although analysis of the air inhaled by the workers proved that there was no source of carbon monoxide anywhere. Investigations were made in different places. The impregnation with oxycarbonaemia was general. After four years of research, using the most delicate of methods, I could conclude:

- 1) that the strong blow-torches with which the workers cut metal do not liberate carbon monoxide, but do bring a large surface of ferrous metal to incandescence.
- 2) that those workers who were bending down to their work—and only they, not their helpers standing by—inhaled the air which licked the ferrous and incandescent metal.
- 3) that the analysis of the inhaled air showed an absence of carbon monoxide, meaning that the air was always a combination of nitrogen and oxygen. This explained the fact that never, even though a great number of investigations were made the world over, was carbon monoxide found in the inhaled air.
- 4) that carbon monoxide—being detected in the blood of workers, not in the blood of the helpers—could only have an endogenous formation when this air is breathed. In other words, it was activated by the air's contact with a ferrous and incandescent metal. This would shed light on the observations made in places using cast iron stoves heated to incandescence.

The oxygen in the inhaled air was not sufficient to allow a formation of CO in the organism. There is O, but C is needed. From where does it come? After much research I thought that it was activated nitrogen which produced carbon in the organism (at the level of red corpuscles irrigating pulmonary alveoli). This question hasn't been cleared up. The nitrogen molecule (there is never free atomic nitrogen; isolated nitrogen is always in the form of N<sub>2</sub>) contains two nuclei of nitrogen enveloped by the electrons of the molecular orbit. In the heart of the molecule the two nuclei vibrate at a known frequency. Were this submitted to a vibratory and outer energy more or less of the same period, could it be a resonance which

at a certain time provokes the passage of a proton with its neutron from one nucleus to another? All this occurs without any change of the peripheral electrons. On one hand, there remains a nucleus with one proton missing, thus carbon; the other nucleus acquires one more proton and becomes oxygen. It is thus a phenomenon having nothing to do with nuclear physics; one remains at the molecular state. But we have here an internal remodeling by the removal of a proton from one nucleus to another. The measurements taken show that in the molecule  $N_2$  the distance between the two nuclei of nitrogen is 1.12 Angstroms, whereas in the CO molecule the distance between the C and O nuclei is 1.09 Angstroms.

This removal of a nuclei when a proton and its neutron exchange places does not seem radioactive: it could occur under the energetic action of an unidentified enzyme at the level of the pulmonary air cells, or perhaps in the thickness of the membrane of the erythrocytes going through the air cell. It has not yet been proved that I was mistaken.

fig 1

Controversies arose when I published the above explanation in 1960. A specialist advanced the following opinion: the heat of the inhaled air led to a dilation, a reduction of density, thus to the rarefaction of the inhaled air. From this would result a diminution of the oxygen pressure, which is conducive to “bad combustion” in the blood, hence CO is formed instead of  $CO_2$ . It is easy to see that this hypothesis has no value whatsoever. The breathing in of hot air would not lead to the same effect if there were no contact with an incandescent metal.

Nevertheless, a systematic study was made in 1963 by a friend, Professor Desoille, and his colleague Truffert, both holding high official positions. They demonstrated that the phenomenon was independent of oxygen pressure. (H. Desoille, *Absence de corrélation entre la pression de l'oxygène et l'oxyde de Carbone dans le sang*, *Arch. Mal. Prof.*, July 1963.) In 1964 I also showed that this phenomenon does not occur when the metal sheet is brought to a temperature of  $400^{\circ}C$ ; one needs at least the deep red, and when the sheet is bright red the effect is quick. Oxygen is not the cause; thus my first publications in 1960 were confirmed. Nor does this same effect occur if one exchanges the nitrogen of the air with helium. Nitrogen alone is the origin of this endogenous production of carbon monoxide. The phenomenon being clarified, since my position in the scientific world permitted it, I notified “inspectors” of the measures to be taken in factories to avoid oxycarbonic intoxication once and for all.

[END QUOTING OF PART 3]

Do you begin to see that YOU are a magnificent piece of transmutation apparatus? If you don't learn as much you have no purpose in having so-called freedom for you will never be more than you are in ignorance. You can become a creator of self and destiny only when you come to KNOW that which you are. Thank you.

## CHAPTER 3

REC #1 HATONN

TUE., AUG. 22, 1995 7:03 A.M. YEAR 9, DAY 006

TUE., AUG. 22, 1995

*NO ONE CAN ACTUALLY TELL YOU HOW TO DO A THING—ANOTHER CAN ONLY TELL YOU HOW THEY PERCEIVE A THING SHOULD BE DONE. THE WAY MIGHT WELL BE CORRECT—OR JUST AN OPINION. YOU HAVE TO DO THE CHOOSING AND THE DOING. THERE IS, HOWEVER, COMMON “HORSE” SENSE TO BE CONSIDERED IN EVERY ACTION! MOREOVER, A PERSON WHO IS ADDICTED AND CANNOT HEAL SELF HAS TWO NEGATIVE THINGS GOING FOR HIM WHICH WILL DESTROY HIM. HE DOES NOT TRUST GOD ENOUGH TO HELP HIM AND HE IS TOO WEAK TO LEAD, FOR WHEN CLARITY OF MIND AND THOUGHT IS COMPROMISED, THE PATHWAY IS OFTEN LOST WHEN THE TERRAIN GETS ROUGH. THESE ARE SYMPTOMS OF A MAN WHO HAS LOST HIS DREAM OR NEVER BUILT ONE—ONLY FANTASIZED WITH A BROKEN HEART.*

*THERE ARE MANY WAYS OF BREAKING A HEART. STORIES ABOUND OF HEARTS BROKEN BY LOVE OR LOSS OF LOVE, BUT WHAT REALLY BROKE THE HEART WAS THE TAKING AWAY OF ITS DREAM—WHATEVER THAT DREAM MIGHT BE. ARE YOU BREAKING HEARTS THIS DAY? HOW ABOUT YOUR OWN? WILL YOU LEAD OR WILL YOU DROP OUT? THESE CHOICES BELONG TO YOU INDIVIDUALLY! YOU CAN BE BRILLIANT IN EVERY WAY IN WORLDLY “STUFF” AND STILL BE TOTALLY IGNORANT OF GOD AND RIGHTEOUSNESS IN ITS FULL MEANING AND YET STRENGTH ACTUALLY **ONLY COMES FROM THAT WONDROUS CONNECTION.***

***SO BE IT AND MAY YOU FLY WITH ANGELS OF LIGHT FOR WE HAVE NO BROKEN HEARTS BUT VERY BROAD SHOULDERS UPON WHICH YOU MIGHT LEAN FOR A BIT OF SUPPORT WHEN THE WAY GETS DIFFICULT. AHO!***

Let us now consider transmutation and alchemy.

[QUOTING:]

### BIOLOGICAL TRANSMUTATIONS, PART 4

by Louis C. Kervran

English translation: **Michel Abehsera.**

## CHAPTER II

### POTASSIUM



It appeared useful to me to gather together all the results of my research concerning the aberrant metabolism of potassium. This research has permitted me to verify:

- (1) that the vital phenomenon is not of a chemical order; it goes deeply into the atom, starting in the nucleus. Organic chemistry is only the final stage of molecular rearrangement.
- (2) that the nucleus of the atom in light elements is quite different from what nuclear physics regards as the average type, the latter having value only for the heavy elements.
- (3) that Nature moves particles from one nucleus to another—particles such as hydrogen and oxygen nuclei and, in some cases, the nuclei of carbon and lithium. There is thus a transmutation.
- (4) that biological transmutation is a phenomenon completely different from the atomic fissions or fusions of physics; that it reveals a property of matter not yet seen prior to this work.

My research was directed mostly towards the reactions taking place inside the nuclei of sodium, magnesium, potassium, calcium, nitrogen and, in a lesser degree, phosphorus, sulfur and chlorine, etc. The major role of potassium appeared to me to be a biological regulator; it can be produced endogenously from sodium. This reaction allowed me to calculate the endothermal energy necessary to tie a nucleus of oxygen to a nucleus of sodium, giving a nucleus of potassium:



This process necessitates only one-millionth the energy of a reaction of nuclear physics *in vitro*.

#### RELATION BETWEEN POTASSIUM AND TEMPERATURE

There is abundant literature concerning this subject. Here are a few experiments cited by Reinberg:

It seems that it was Barach who first studied this phenomenon: he made cultures of lactic bacteria and brewer's yeast in a hyperpotassic medium at different temperatures. After one month the multiplication of these unicellular organisms was maximum in media richer in potassium, at the highest temperature. (With high temperature but a small amount of potassium the results are different.)

Ets and Boyd (study on the sciatic nerve of the frog) showed that cold is inhibitory. When potassium is added, this blocking occurs—but only at higher temperatures; the effect is even more accentuated when the K rate is higher.

Hundreds of experiments of this sort have revealed a correlation between the temperature at which the metabolism of living tissue occurs and the tissue's potassium content. But the nature and cause of this relation have not been determined.

E. G. Martin verified that an excess of potassium stops the heart of a fresh-water turtle cultured in a cold medium. If the temperature is raised, the potassic inhibition ceases. There is then a maximum potassium concentration not to be exceeded and a minimum which must remain in proportion to the tempera-

ture. Let us note that, for man, the “fork” in the plasma is from 150 to 200 mg/liter, variable with every individual, but beyond 300 mg/liter there is danger. If a relation between K and temperature has been seen, it does not seem to have perceived that this is a relation of opposition: an excessively high temperature slows or stops physiological activity; the organism reacts by secreting K.

### RELATION BETWEEN POTASSIUM, OXYGEN AND HYDROGEN

The relation between potassium, oxygen and hydrogen has been perceived and various works contain references to it, but here, too, no general explanation has been seen.

#### *(a) Relation between potassium and oxygen*

It has become apparent that potassium is most abundant where oxygen is present, i.e., where the metabolism is very active and the breathing deep—thus, in fully active tissue.

It is necessary to keep in mind the reaction  $\text{Na} + \text{O} = \text{K}$ , in order to understand that endogenous potassium is possible only if it has access to oxygen for its formation. That fact sheds light on the following findings:

Latshaw and Miller established that in corn, on the average, 45% of the plant's total potassium is in the leaf (where respiration is strong), 35% in the stem, 13% in the kernel, 4% in the bale, and 3% in the root. These values vary, of course, according to the age of the plant, to season, and also to light (which is not surprising since respiration is linked to chlorophyllian photosynthesis). It has been verified that in potato leaves K is at its maximum during the day and at its minimum at night.

Broyer showed that a small amount of oxygen increases the potassium content in the roots of barley, tomatoes and rice. The same is true of man and animals, where the potassium content is directly proportional to breathing activity or to the activity of tissues which require much oxygen.

That is why cancerous tumors are richer in K, a fact having been verified in man and in the sarcoma of the chicken (Moravek).

An increase in K content leads to an elevation of arterial tension, to the activation of the vaso-motor reactions. (The opposite is true with Mg and Ca). An increase of K from an injection in the cerebro-spinal liquid provides an intense breathing stimulation.

An animal is put to sleep with an injection of Mg and awakened with K (by an injection in the infundibular area, with no effect in other areas of the brain). Oxygenation slows down during sleep or under the influence of narcotics. Potassium does the same. During sleep the metabolism is slowed down. There are less exchanges, less O, and thus less K; this reduction of K at the end of the sleeping period can attain to 16.6% in the plasma.

An excess of K diminishes the frequency and amplitude of the systols; at the extreme there is heart failure, the muscles and arteries having been loosened. Muscular activity necessitates oxygen, thus leading to an increase of K in the extra-cellular medium. Tipton verified this on the cat, Heppel on the rabbit,



Bureau on the frog, Fenn on man, etc.

Heart failure in man occurs when  $K = 9$  to  $12 \text{ mEq/l}$  in the plasma (approximately 350 to 450 mg/l).

For more details concerning the effect of K on the heart I refer the reader to specialized books. It follows that there is a Na/K relation which must remain within limits and that this required balance also implies limits for the K/Ca relation. One sometimes studies the Na + K/Ca + Mg relation. Darrow showed that the K variation greatly affects the electrocardiogram, which reveals a hyper or hypo “potassemia” or “kalemia”; this is due to a lack of polarization which is itself dependent upon the relation between Na and K on each face of the superficial layer of the nervous fiber. The ratios of concentration between Na in the outer medium and K in the nervous cell modify the difference in potential.

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A young rat needs 15 mg of K per day. It needs only 2 mg when it is an adult. The average amount of K necessary for a human baby is 9 gr per day, which means that a nursing mother’s milk is relatively rich in K (500 mg/l) but poor in Na.

(b) Relation between potassium and hydrogen

If there is abundant literature showing that the presence of K is dependent on the availability of oxygen, there are also several experiments showing its relation to hydrogen, for according to our reaction,  $K + H = Ca$ . In other words, if K is too abundant in the presence of H, it will give Ca.

The presence of H is linked to acidity (low pH). An excess of H ions signifies an acidity that might become dangerous for the cell. However, in that case K can join an H nucleus to produce Ca, thereby establishing alkalinity and an optimum Ca/K ratio. The agent of equilibrium is thus K. The effects between K and Ca are opposite in appearance only; they are in fact complementary.

Hoagland writes that there is a clear tendency toward acidification of the cellular medium, freezing  $H^+$

ions; the addition of  $K^+$  ions leads to the alkalization of the cellular liquids.

Reinberg notices that “the alkalization of the cellular liquids with K is well known by arboriculturists, who use potassium nitrate to speed up fruit maturation.”

It is of interest to point out that the proportions of K and Ca are of the same order in animal life—in the plasma as well as in sea water, where life began. Here is a Reinberg table.

table mid-page24

If one compares the weights in milligrams, one finds that Na/K in sea water is from 25 to 27, in the plasma of man from 17 to 18 (varying from 15 to 22 according to the individual), but in cells it is K which predominates. In the red globule, the vehicle of oxygen, Na gives an abundance of K.  $Na + O = K$ , because  $K/Na =$  approximately 180!

In sea animals the percentage is almost the same as in sea water. In fresh-water or land animals it is lower, but there the K/Na ratio is much higher. This indicates a more active life and more oxygenated blood, since K and O “go hand in hand”, while Na decreases.

However, in land animals we find that the K/Ca ratio in the plasma is very close to 1, due to the reversibility of the reaction:



**Conditions are different inside the cell; it is here that the reaction takes place. Na penetrates the cell and fuses with O to give K; thus there is less Na and more K, but little Ca.**

The following is another of Reinberg’s charts: (m Eq/l)

chart upper page 25

The cells of land plants are richer in potassium and Ca and poorer in sodium than those of animals.

A few examples:

**[See next page.]**

chart lower mid-page 25

Darrow pointed out that a K increase in the cell decreases the cell’s acidity because it causes a decrease in H. Thus the alkalization takes place when **K takes H to give Ca**. [**H: VERY IMPORTANT!**] Ca is taken back by the outside liquid and excreted, producing a negative Ca balance sheet. More Ca is excreted than ingested, **but the main source of Ca is Mg**:



The internal equilibrium of the animal cell postulates a large K content and a small Ca content. The reactions with H help to reduce acidification, since H is taken away.

It has been found that micro-organisms in the soil excrete H ions which acidify the soil; however, K neutralizes this acidity when it comes in contact with the roots.

If the calcium concentration in the nutritive medium is increased, there is a smaller absorption of K. This can be explained by the fact of reversibility:



This specific reaction allows a biological equilibrium to be maintained.

We shall learn more about the metabolism of potassium in other chapters. This present chapter was intended to acquaint the reader with some simple facts as a basis for helping him understand what the book hopes to convey.

### CHAPTER III

#### SODIUM-POTASSIUM

We have seen how sodium can be transmuted into potassium [*by “absorbing” oxygen*]. This reaction is very important in animal biology. I have described it many times in my earlier books.

I confirmed this phenomenon, thanks to the ethnologist Jaques Soustelle, Minister of the Sahara, who gave me the opportunity to make experiments on teams of workers. The latter were busy drilling wells under extremely difficult conditions. It is common knowledge that in the Sahara Desert it is dangerous to remain too long in the sun. The fact that people could work hard on metallic platforms unshaded from the hot summer sun remained unexplained. Systematic research was conducted with the help of a military doctor and his assistant.

A voluntary team was followed carefully for six months. Everything they ingested and excreted was weighed and reported. The balance sheet showed that during great heat the potassium emitted through perspiration was greatly increased. However, sea salt ingestion increased also. The workers were given extra salt in the form of tablets which they sucked. But this ingested salt was not entirely secreted. What happened to it? It could not possibly have been stored in the body, because the difference between ingestion and excretion was so great that an accumulation of it would have been impossible.

The biggest mystery lay in the thermal balance sheet. By their work and food, and by the heat endured in the sun and in the shade (ambient temperature was higher than body temperature), the workers averaged 4,085 kilocalories per day in those six months, reaching more than 7,000 kilocalories per day in the summer. Perspiration averaged 4.12 liters per day, and due to the extreme dry heat it did not even drip, but evaporated instantly. 540 kilocalories are needed to evaporate a liter of water. With such an im-

balance the workers should have died from “hyperthermia” because the heat could be released only through perspiration—that is,  $540 \times 4.12 = 2,225$  kilocalories, and  $4,085 - 2,225 = 1,860$  kilocalories per day, according to the classical balance sheet. Such an excess is obviously impossible.

I came to the conclusion that it was sodium which, disappearing to become potassium, created an endothermal reaction (thus causing heat to be absorbed). Hence by instinct one consumes more salt in a dry and hot country. This is why salt is so important in Africa, the Middle East, etc., where caravans travel up to 1,000 kilometers to bring back salt. In Taoudeni, a unique city in the middle of the Sahara 1,000 kilometers north of Timbuktu, the monetary unit is the salt bar. Also, notice the importance given salt in the *Bible*.

The transmutation from sodium to potassium was confirmed by another experiment made in a more arid part of the Sahara with the help of the Marine Militaire. This experiment took eight months. Systematic research was carried out in a physiology laboratory where it was found that a man making a major physical effort during three hours, in a temperature of  $39^{\circ}\text{C}$  with a humidity of 60%, would experience an increase of three times his usual rate of potassium in proportion to sodium, in his urine. This reaction has a biological significance. It has been commonly known that people struck with a lesion in the surrenal glands **[H: Kidneys.]** reject much more potassium, even if it is not given to them. It was never understood from where this potassium came—the small reserve which the organ can mobilize does not justify such a massive excretion! (On the other hand, salt has been found to disappear in the organisms of people inflicted with Addison’s disease.)

Blood plasma is very rich in sodium chloride (sea salt), containing approximately 7 grams per liter. However, the rate of sodium chloride diminished in the blood even with normally salted food. This enigma was classified and forgotten among the mysterious phenomena of life, the sodium-potassium relationship ignored.

M.D.s have seen the blood’s potassium increase at a dangerous rate. Excess potassium diminishes nerve excitability, making the electric potential equal in the two faces of the nervous cell wall. Normally the outer medium of the cell is richer in sodium and poorer in potassium than the interior of the cell. The ratio between the ions of potassium in the interior and exterior of the cell defines the membrane’s potential. Abnormal balance results in a paralysis of the nerves of the heart and lungs; this in turn causes syncope and ultimately death. Some doctors thought that by replacing plasma too rich in potassium with an artificial serum containing only sodium chloride, they would achieve good results. Unfortunately this attempt was followed by the immediate death of the patient.

*The reader has probably discerned that the potassium came from sodium and that whenever fresh sodium is injected into the organism, it is immediately transmuted into potassium. [H: Every kidney “patient” and hemodialysis patient in the world should have THIS INFORMATION. Most who go onto dialysis haven’t the vaguest idea as to WHY they must adhere to a strict diet nor what is taking place within the system (body).]*

Professor Perrault, a “famous hospital boss” and a member of the Faculté de Medecine of Paris, once asked me to give his students a lecture explaining what was really happening. It had been found that aldosterone had provoked this transmutation. In cases of surrenal lesion the opposite hormone is not sufficiently secreted and the balance is lost.

Reactions of this kind occur in accordance with the physiological condition of the patient. Thermal balance sheets of food as calculated by dietitians have a relative value; according to chemical experiments made in laboratories, chemical energy is released only by the combustion of carbon in food, most of all in carbohydrates (sugar).

The sodium-potassium link presents itself in many varied forms. A study made on terrestrial and marine iguana showed that some species secrete from a special nasal gland a liquid containing up to 190 times more potassium than is in their blood plasma, at a rate of 190 cm<sup>3</sup> per hour. A solution of sodium chloride added to the cesspool of these reptiles stimulated a potassium increase in the excretion of their nasal glands, but no sodium increase. If potassium chloride had been added, the potassium concentration and the glandular flow would still have increased.

Dr. Jullien (from the Faculté des Science of Besancon) has proved that if tenches are put in water salted with 14‰ sodium chloride, the rate of potassium chloride rises from 3.95 g/l to 5.40 g/l after four hours, i.e., a 36% increase.

The same result can be achieved in three days (72 hours) using water salted with 8‰ NaCl. KCl passes from 3.95 g/l to 5.39 g/l.

The calcium chloride content remains 0.300 g/l from beginning to end in the experiment. In order to be sure that it is not the cellular potassium of the blood globules that enters into the plasma, one must take the precaution of measuring the total K in the blood (plasma + globules).

This potassium increase cannot be attributed to a loss of water, for the relative concentration of all the salts would then be uniform. We have seen that the concentration of calcium salt does not change; there is absorption of NaCl only, hence a slight sodium chloride increase in the blood. The NaCl content increases from 5.10 g/l to 6.60 g/l after four hours in water salted to 14‰, and to 6.40 g/l in 72 hours in water salted at 8‰, which is 25% increase as opposed to 36% for potassium chloride (with no variation in the calcium chloride content).

**INSERT FIG 2 [See next page.]**

The problem of the passage from sodium to potassium is of great importance in physiology. This valuable mechanism of nature insures the thermal regulation of the organism. The reader will recall the experiment made in the Sahara in which case the variation of the K/Na balance sheet was remarkably parallel to that of the thermal balance sheet.

fig. 2 & 3 (pg. 30-31)

The body was receiving more heat than it received while its temperature remained normal, due to evaporation, perspiration, etc. In physiology laboratories, experiments made on men have shown an increase in potassium excretion under hot conditions if the organism can dispose of sodium. (This observation justifies such “empirical” practices as giving hot, salty vegetable broth in cases of fever.)

An addition of potassium allows a tissue in culture to continue living at a higher temperature. The

secretion of potassium is thus a defense reaction by the organism, occurring in cases of accidental increase in temperature. It establishes a new equilibrium. (For example, the fever remains constant at 39°C.) It appeared that here was the explanation of how an organism combats fever: the transformation from sodium to potassium is made through a strongly endothermal nuclidic-biological reaction (sodium + oxygen). From the K/Na and thermal balance sheets which I had made in the Sahara on two similar teams, I obtained a quantitative comparison indicating the value of the endothermal energy resulting from this reaction. Let us recall the practical applications, such as salty drinks for the prevention of hyperthermia among workers being exposed to dry heat. M.D.s and professors of medicine are now better able to understand the mechanisms of fever, for it is obvious that the thermal equilibrium's being at an unusually high temperature does not result from the perspiration evaporating. Thus the specific heat of the evaporated water does not affect heat loss, whereas the inflammation which is the cause of hyperthermia continues to supply calories. It is an endogenous and endothermal reaction which maintains the equilibrium by an intense excretion of potassium, showing that the potassium is produced in the organism, which then rejects the excess.

**[H: Why am I putting you, the lay readers, through this information overload? Because doctors mostly DO NOT KNOW ANY OF THIS INFORMATION. Kidneys shut-down in overload in heat-stroke and most people haven't the vaguest idea what REALLY to do to save your own lives. This is WHY we supply GaiaLYTE with electrolytes to insure the conversion to potassium in necessary balanced amounts—to the body. You don't need extra "potassium", you need extra of that which allows transmutation. Since there is coming a time when you have to attend selves if you wish to survive—you MUST LEARN the TRUTH about your transmutation apparatus. In Gaiandriana, however, we have already provided the DRIAS with that which they need to do this processing prior to body entry and then the DRIAS simply merge with your own body cells as they pick up the DNA instructions. This is why a dying person would do better with a Gaiandriana transfusion than any blood available on your planet because there is nothing to reject as the body simply identifies and transmutes the Drias into its own structure. Colloids mixed at site immediately upon injection into the bloodstream, with Gaiandriana—give IMMEDIATE entry INTO the cells of the blood and the body! What do I mean by this? Well, let us say there is massive septicemia caused by an "untreatable" new disease and there is nothing to offer the patient for help. An injection of colloidal silver with trace gold in a solution of Gaiandriana into the blood stream—instantly releases, WITHIN THE CELLS OF THE BODY HARBORING THE INVADER MICROBES, THE COUNTERING ANTI-BACTERIAL substance without causing reaction of the body's immune system to the solution itself. In other words, the immune system is miraculously enhanced at the same time the anti-microbial agent is presented as well. No, I can't tell you or anyone in the medical profession to go do this—I am telling YOU BECAUSE SOME DAY YOU WILL BE ON YOUR OWN AND YOU WILL BE DYING AND YOU CAN SAVE YOURSELF IF THAT BE YOUR CHOICE. IF YOU, FURTHER, CAN UNDERSTAND FOLLOW-UP TREATMENT AND CARE, YOU CAN AND WILL RECOVER. I CANNOT DO MORE, READERS, WITHIN THE RULES AND REGULATIONS OF YOUR RIDICULOUS SYSTEM OF OPPRESSION.]**

Much research in biology has been done concerning oxygen consumption in cases where sodium increases and potassium decreases. "The oxygen consumption of some invertebrates (as seen in the snail's heart, mussel, etc.) increases, depending on the Na/K ratio," writes Reinberg in *Sodium and Life*.



If there is a shortage of oxygen, there is no longer a diminution of Na accompanying an increase in K. Na and O are thus necessary for verifying the increase in K.

In *Annals of the New York Academy of Sciences* (July 1966), a collective volume of more than 600 pages, dedicated to the recent progress in the study of biological membranes, we find under the signature of H.H. Ussings: “The excess oxygen consumption seems to derive from some anomaly in the handling of sodium” (p. 544); or, “It is seen that in all experiments the oxygen consumption per equivalent ion (of sodium) is much higher than normal” (p. 545); and, “The oxygen consumption is increased in proportion to the amount of sodium transported” (p. 553). The author verifies these facts without attempting to explain them.

The “transport” of sodium is generally considered to be an exchange with potassium through the cellular wall—potassium being more abundant in the intra-cellular medium than in the exterior one. This is a classical theory. There is no reason to doubt it; the number of experiments and their variety provide confirmation of this phenomenon. But one is almost always satisfied with such an explanation—an explanation mistakenly generalized, which might be true qualitatively but not quantitatively.

There is no simple exchange through the wall. Lichtenstein and Leaf (1966) recognize this fact. They say, “However, previous studies have demonstrated no quantitative relationship between net sodium transport and potassium uptake from the serosal sodium,” and, faced with the contradictions of classical hypotheses in opposition with the facts, they add, “Further studies, in fact, have led us to the somewhat uncomfortable conclusion that the major effect of removing potassium from the serosal medium is to somehow reduce the mucosal barrier’s permeability to sodium, so that insufficient sodium can gain access through that surface.” (*Annals of the New York Academy of Sciences*, July 1966.)

The authors came to another uncomfortable conclusion. They saw a possible explanation from the classical point of view: that there is no proportionality between the potassium extracted from the serosal medium and the sodium that is removed. **Thus it is not a case of exchange, as has always been maintained by the orthodox, for we have seen that it is impossible to postulate a one-direction movement of potassium without stipulating a disappearance of sodium to achieve a quantitative equilibrium of matter and electric charges.**

This observation enables us to understand why a great specialist of hormonal problems, Perrault, professor at the Faculty of Medicine and chief of a department of a large hospital in Paris, could have verified long ago that “potassium was coming from nowhere.” Without being supplied, potassium appears in great quantities; it can only have been **CREATED** on the spot. In 1963 he introduced the only explanation possible in view of these verifications (in the cell): (1) no introduction of Na; (2) diminution of Na; (3) increase of K; (4) oxygen consumption. In other words, it could only be the reaction producing the biological transmutation that we have described:\*\*\*  $_{11}\text{Na} + {}_8\text{O} := {}_{19}\text{K}$ . Three years later many research workers all over the world were obliged to recognize that the exchange through the walls is a partial view only, insufficient quantitatively speaking, and that the four experimental facts mentioned above are indissolubly bound and occurring simultaneously. Even before Perrault made his observations, at least three Sorbonne professors, to my knowledge, had introduced this phenomenon in their teachings. Since 1963 many more university professors have joined them, as I learned by accident. I have also the names of a few professors in colleges and schools of agriculture, engineers and agronomists who have presented these

notions in class teachings, newspapers, or lectures. There is, to my knowledge, at least one brochure edited by a group of teachers explaining a few of the biological transmutations of the elements, for the purpose of enlightening primary school teachers. An agricultural correspondence school devotes a whole chapter to it.

I should never finish if I were to cite all the observations that have been made concerning the relation between Na and K. In Reinberg's book (*Potassium et la Vie*, P.U.F. Pub. 1955), alone there are pages about it. For example: "The optimum temperature, corresponding to the maximum work of the heart, is proportionally lower when the value of the Na/K relation in the medium is higher. There is a contractile inhibition in the sodic medium; one increases it by adding K."

In a culture *in vitro* one should add potassium, for an isolated tissue cannot produce it; the aldosterone, which is secreted by the cortex of the surrenal (according to a mechanism by which the hypophysis intervenes) is the main hormone performing this reaction. "An excessive supply of sodium can determine the increase of the urinary elimination of potassium" (Reinberg).

The studies are many and all converge in one direction. Watan has shown that kidneys continue to secrete potassium even when a special diet deficient in potassium is followed for several weeks.

Lehman (Director of the physiology laboratory of Dortmund) declares, "The excretion of potassium does not make us appreciate its absorptions." He also writes, "The increase in potassium excretion during work at high temperatures is not due to a larger supply of potassium."

It must be made clear that experiments and discoveries of this kind show that in abnormal conditions the organism proceeds with an accelerated transmutation from sodium to potassium. One should not then conclude that potassium is not useful under normal conditions, since sodium can produce it. The sodium-potassium relation should be put into perspective in order to answer certain questions asked by dietitians.

[END QUOTING OF PART 4]

I have already been subjected to MANY, MANY inquiries for individual input regarding these subjects in progress. Please do not do this, readers. I am not your individual physician and you don't yet seem to know enough to attend selves. I CAN say that if you will take that which we offer and RID YOURSELVES OF PARASITES AT ONSET, you can maintain until you can LEARN enough to provide for selves. Remember, please, that I am NOT in the medical business, nor do I wish to so much as compete in your business. I offer information, no more and no less, and some very essential items of a very simple nature to use as "tools" for better well-being. I CAN, however, see that if you did just a few things toward better balanced health intake, insuring all the nutrients and minerals necessary for the body to balance itself, you could be quite well. That is your business, of course, for a great many people ENJOY their ill-health far too much to consider actually parting with it and becoming well. How else can they gain attention, serventing of others, and/or have a claim to focus? Most people have NOTHING to which to turn in either profession or hobby which will give filling of the void created by GOOD HEALTH. Poor health, physically and/or mentally, is the very excuse of lack of perfection in living personally or as a society. You wear poor health as some sort of a badge of honor. The happiest a "patient" can be is when he has been patient for a diagnosis for weeks and is told that his is the WORST the doctor has ever seen. It seems that to heal



self is the very worst the physician can do for himself or the patient—and for a patient to heal himself is worthy of incarceration in prison rather than a hospital. Oh well...!

Salu.

## CHAPTER 4

REC #1 HATONN

WED., AUG. 23, 1995 8:15 A.M. YEAR 9, DAY 007

WED., AUG. 23, 1995

### FAST DANCING

With everything taking place around your globe from biological warfare admissions to cyanide in a South African water supply I think it best if we leave the political comments to the ones focused on those topics of politics and world governments to other members of the writing staff.

By the way, readers, there is an assumption of ones who somehow get *CONTACT* in instant delivery, BUT DO NOT SUBSCRIBE TO SAME, that I AM *CONTACT*. I am less and less “*CONTACT*” in content as I am trying to get on with that which involves your very physical existence and what to expect as things unfold on your globe. I am somehow relegated to “Doris’ psyche” wherein things offered are annoying our adversaries. Those adversaries either have very poor memories or are currently in great illusion. Some continue to effort to turn this place into some kind of cult operation wherein one or two have powers over all things. There is nothing of the sort here and if the operations from onset of such connections, either with the paper or the Institute, were misdelivered by Mr. Green, that is not our business.

Mr. Fort seems to object to being considered part of a conspiracy but the very term is the only appropriate definition. He joined with George Green and then Abbott to damage and destroy the Institute through receivership and total lack of understanding about his OWN BUSINESS ARRANGEMENTS. These have been buried as the shouting is coming forth of “we have been wronged and their God is a liar, thief and cheat.” Come now, accusers, you had better go check your own RECORDS and perchance you might just find that EVERY EFFORT was made to get funds BACK to Leon Fort only to have the agreement, after verbal agreement and Board of Director resolutions in conjunction with Legal Counsel, now called a “garbage agreement”. Many THOUSANDS of dollars were paid in good faith to George Abbott addressed to Leon Fort. Mr. Abbott demanded the first payment one day before going on a trip to Italy. Two other payments were made in LARGE increments—all ENDORSED and CASHED by George Abbott! More than that amount is lost to George Abbott who has run up legal bills for frivolous suits to more than utilize, on paper, that amount—which he took and SPENT on his own account.

Sorry, Mr. Fort, it doesn’t wash with the laundry of lily-white robes of honor! You can blame Ekkers, the Institute AND GOD, even If they were to be a bastardized handvalet of any god whatsoever—but NOTHING CAN BE DONE ABOUT YOU OR YOURS UNTIL THESE LEGAL MATTERS ARE **SETTLED!!** You act as if there are somehow, alternatives. Mr. Green took the GOLD, Sir, and that deprived the Institute of being able to attend the losses AND such as your demands for funds IN GOLD! Either you NEVER understood anything about business or you have made such blunders that you NOW CLAIM IGNORANCE. You claim that I, through Doris, and Ekkers, through some magic or other, have deprived your 90-year-old mother of something? Who did?? It would appear that YOU entered into

these agreements AND continue to work with such as Green and Abbott. I find the insults to Nora's research to be without merit for the documentation speaks for itself in total integrity—perhaps you have not availed self of such flow of evidence in your own case.(??)

I also find the last documents filed with the courts by Abbott to speak far more than your arguments. He has stated that a given amount is owed you—WITHOUT SO MUCH AS TAKING INTO CONSIDERATION THE AMOUNTS ALREADY PAID TO YOU. Where is it? Well, I suggest you consider questioning MR. ABBOTT! How much of your loan do you think will be remaining when Mr. Abbott gets through with his two-step through the court system and Associated Press? You will further note that the loan from you was well used prior to the moving away (with assets of the Institute) of Greens. You will find that Mr. Green BORROWED from the Institute (in addition to the gold coins he took), on A PROMIS-SORY note, over \$150,000 which, if he paid back from his court-stated “under oath” testimony of personal fortune of just less than \$5 million) you could have been abundantly rewarded with full interest in addition to anything you might have placed for his use. I do not care what you “think” for the documentation is right there in front of you for the looking.

I am interested in the dislike you show for Dr. Young's sharing for we noted great humor and pleasure when you joined with Luke Perry, Green and Abbott in trashing us in the Associated Press. That, sir, constitutes “conspiracy” to damage! FACTS SPEAK FAR LOUDER THAN WORDS.

I am further interested that you and your team-mates continue to DEMAND that this or that be published in the *CONTACT* and then, when Dr. Young does so, he is further bashed, battered, insulted and proclaimed a dupe when your presentations do not hold water, much the less truth or fact. Do you not think him capable of discovery of facts? The documentation speaks for itself—and all the wishing it could be otherwise simply does not make it so.

You do not care for me or my people—fine; I don't think very much of your advisors either! I do not like your living arrangements, your lack of acceptance of your own actions, your use of others to present your quarrels and/or ones who hide behind bashing of another to hide one's own transgressions, even if in ignorance of errors. What you consider “unconditional love” is actually “directed unconditional hate” but that is certainly your own prerogative for feelings and actions. It is also Dr. Young's prerogative to respond or not respond in any way he chooses. Your opinions of me are none of my business. However, let us get one last thing—straight. You did not demand your loan paid back immediately, in gold coins, for the heck of it and for your family and 90-year-old mother. You wanted it back IN GOLD so Mr. Green could manage it, invest it in a development (which he also took from the Institute) and to put into a gold mine speculation in the Mojave Desert. I weary of your complaint of someone taking your poor mother's assets! So far nobody has taken or “lost” anything—except what you keep pouring into the drain-hole of George Abbott and legal hogwash. A corporation in litigation over receivership and poor management—cannot on a whim of “druthers” treat you any differently than anyone else involved with that corporation, MORE ESPECIALLY WHEN YOU ARE A MAJOR PART OF THAT LITIGATION! Now, I ask again, WHAT IS IT THAT YOU DON'T UNDERSTAND? No matter what you want to believe—Mr. Green was still an active member of the Board of Directors and an officer of the Phoenix Institute—all the while he was setting up you nice people for his cause. THIS IS UNLAWFUL. Nobody has lost anything until you manage to destroy the Institute or some other such nonsense which demands selling at a loss. Then everyone loses and, quite frankly, Mr. Fort—no one else wants to lose so that your lawyers can

continue to cover for Green's activities.

Does it not occur to you that Dr. Young also has an interest in the survival of both the Institute and *CONTACT*? Do you actually think he would jeopardize his reputation—is EVERYONE out of step except YOU? You people continue to try to make our work appear to be some kind of God worship or Cult apparatus—WE ARE NEITHER AND YOUR OPINION WILL NOT CHANGE THE FACTS OF IT ONE IOTA. We revere and honor above all things, God of Light—period. We hope to be able to achieve some goodness and truth into our respective expressions. What you people THINK to be so, again, is none of my business. Further, as long as you serve and protect dishonorable men—you shall be counted among them for ye SHALL be judged, rightly or wrongly, by the company you keep and present as your representatives. In your last statement you claim that “...you have each given up your individual, sovereign god-selves unto the egotistical GOD of Doris Ekker.” DORIS EKKER HAS NO EGOTISTICAL GOD and if you base your insults to such other people who happen to live in this community or read a newspaper, on such assumption that anyone FOLLOWS DORIS EKKER—YOU ERR. Earlier in your letter you claimed me to be a God who is a figment of Doris' psyche—fine, you can't have it BOTH WAYS—and NOBODY follows Doris Ekker ANYWHERE! Almost no one even knows such a person exists. Further, it is well noted that you must not read anything in *CONTACT* or you would certainly recognize that no one is really interested in your circumstance, having a world to consider along with their own values and life-stream. In addition, if YOU set me forth as some kind of a God of Your Life-Journey—that too is not my business for I warned you from onset NOT TO DO SO! YOU ARE RESPONSIBLE FOR THAT WHICH HAS COME UPON YOU—NOT I.

Please let us return to our subject of cellular transmutation for it is the basis of all physical cellular life.

[QUOTING:]

BIOLOGICAL TRANSMUTATIONS, PART 5

by Louis C. Kervran

English translation: Michel Abehsera.

CHAPTER IV

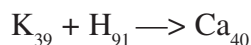
CALCIUM

This chapter won't involve a detailed study of the verified abnormalities in calcium metabolism. It will simply attempt to attract attention to the origins of calcium in order to show how the reactions that I have established modify present views in fields other than biology.

Calcium is one of the most abundant elements in the earth's crust (3.25%). Oxygen comes first (49.13%), then Si (26.0%), Al (17.45%), and Fe (4.2%).

If the great formations of limestone are from the Secondary Era, how is it that one nevertheless finds them before the Primary Era, in the Pre-Cambrian? They are being formed nowadays in animals and plants, and we see that calcium has three origins:

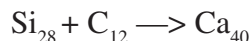
—It can come from potassium:



—from magnesium:



—from silicon:



These three potential origins of calcium are by far the most important; from them alone I have gleaned valuable observations and experiments.

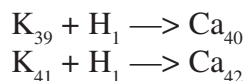
Does this mean that there are no other possible origins? I would not risk making such an assertion. Let me say only that I have no grounds on which to base such research. What I can say for the time being is that these other origins are quantitatively of little importance.

### ISOTOPES OF CALCIUM

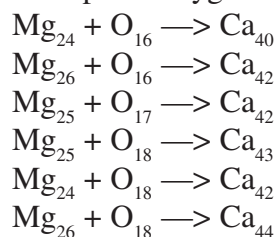
I would like to point out that heavy hydrogen ( $^2\text{H}$ ) or deuterium (D) rarely enters into these nuclido-biological reactions, nor have I ever found such to be the case throughout my research. I will neglect, then, the deuterium reactions, since I have never been able to bring them to light. This does not mean that they do not exist; one could perhaps find transmutations made with  $^2\text{H}$ . However, they are rare and of small quantitative importance.

Here are the reactions that I have verified in my research concerning the origin of calcium:

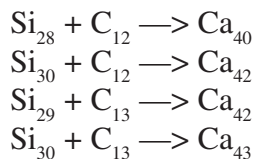
(a) Potassium as a base:



(b) Magnesium as a base, with stable isotopes of oxygen:



(c) From stable isotopes of silicon and carbon:



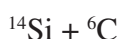
Thus  $\text{Ca}_{40}$ ,  $\text{Ca}_{42}$ , and  $\text{Ca}_{43}$  can come from K, Mg, or Si; but  $\text{Ca}_{44}$  can only come from Mg.

One must then be prepared to admit that the calcium formed by shells and originating from the magne-

sium of sea-water is richer in  $\text{Ca}_{44}$ , more so than if the shells' formation had taken place on land. Organisms succeed in doing the transmutations better with heavy isotopes, making a greater proportion of heavy isotopes necessary in elements of organic origin. (This proportion is extremely variable, so much so that the proportion indicated in the tables of nuclear physics can be only approximate.)

**Thus one should avoid using the numbers given in the Periodic Table of Elements, where one is presented with raw forms of mineral elements which are mixings of isotopes having no value in biology.** The given figures of these tables are used in chemistry, but are too gross to be used in the study of the nuclido-biological reactions where nature operates at the level of the nucleus. (Chemistry deals with the molecular level.)

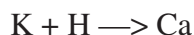
As an example, let us take the reaction  $\text{Si} + \text{C} \longrightarrow \text{Ca}$ . The tables give:



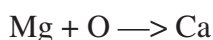
$$28.06 + 12.01 = 40.07$$

But these same tables give 40.08 as the atomic mass for Ca, not 40.07. There is indicated a mass gain, thus an emission of energy, if these inaccurate figures are referred to.

The following is an example proving that one should not use the Table of Elements' atomic mass numbers in studying the nuclido-biological reactions. As a matter of fact, the same applies to calcium, whose origin is either potassium or magnesium.



$$39.096 + 1.008 = 40.104 \text{ (false figures for Ca} = 40.08\text{)}$$



$$24.32 + 16 = 40.32 \text{ (false figures for Ca} = 40.08\text{)}$$

There is always a mass gain indicated, which is false.

We have seen that *a priori*, according to the laws that we have deduced from experiments, there should be more  $\text{Ca}_{44}$  in shells and in other animal and vegetal organisms that make their calcium from the magnesium of sea water. This has been verified: the more active the organism, the more oxygen it consumes and the richer it will be in  $\text{Ca}_{44}$ . An organism's activity is proportional to the existing temperature: its metabolism is more active in warm media than in cold. It follows that a shell will have a higher  $\text{Ca}_{44}/\text{Ca}_{42}$  ratio if the animal which secreted it is from a warm sea. A study of this  $\text{Ca}_{44}/\text{Ca}_{42}$  ratio in fossil shells has been proposed, to determine the temperature of the sea during the epoch corresponding to the fossil's life.

### CALCIUM PRODUCTION BY PLANTS

Von Herzelee established around 1880 that germinating seeds without a supply of calcium saw a calcium increase in the young plants analyzed 30 days after the germinating process.

The results were contested because they were contrary to Lavoisier's law. However, the operatory precision von Herzelee employed left no room for doubt. P. Baranger, Chief of the Laboratory of Organic Chemistry at l'Ecole Polytechnique de Paris, thought that von Herzelee's analyses were insufficiently precise, and had the curiosity to conduct the experiment all over again with all modern scientific rigor.

The results of his analysis executed on three equal portions of 200 identical seeds, each one weighing 7.2 gr. were submitted to a professional statistician in order to detect any possible operatory error. Taking only the most typical case, where the seeds' sprouts had only a supply of doubly-distilled water (water distilled only once is not pure enough), and with all chances of systematic error having been averted, there was more calcium found after the germination.

Thus scientific proof that calcium can be created in biological reactions has been acquired in one of our most celebrated schools. But no interpretation of the phenomenon was offered.

**[H: This demonstration and information should be carefully attended by you who are doing something as relatively distant from our subject as colloidalizing metals: note the observations regarding distilled water. It is not true that all distilled water will have the same mineral content although it should be the same by definition. Moreover if you subsequently add, say, Drias—you are going to get even more hard-to-believe factual information as you will find that the liquid now having ADDED minerals, etc., will fail to reflect the additions in their original form and if left long enough will give totally different readings as the Drias have living transmutation response to everything, including atmospheric.]**

## CHAPTER V

### POTASSIUM-CALCIUM REVERSIBLE TRANSMUTATIONS

My youthful observations gave birth to a subsequent idea of a possible transmutation from potassium to calcium. Hens in a granitic region devoid of limestone can lay eggs with calcareous shells every day; but these hens, free to move around in the yard, scratch about for fragments of mica strewn on the ground.

In a clayey area hens need limestone, but not if mica is present. The difference between clay and mica is that the latter contains some silicate of potassium.

(1) Hens kept in a chicken coop on clayey soil were without a source of limestone. After a few days their reserves were exhausted and the deficiency became apparent as eggs with soft shells began to be produced. On that same day, purified mica was given to them. The hens jumped on it and began scratching around it very rapidly, panting over it; then they rested, rolling their heads on it, threw it into the air, and began scratching it again. The next day eggs with normal shells (weight 7 gr) were laid.

Thus, in the 20 hours that intervened, the hens transformed a supply of potassium into calcium. Two eggs are never produced at the same time; one egg is laid and the shell of the next one begins to be formed a few hours later. The egg composition is determined by the food eaten the week prior to the laying of the egg. But the shell, on the contrary, is formed by a rapid excretion.



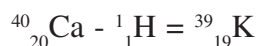
An experiment of this kind, using the same mica, was undertaken with guinea-fowls over a period of forty days. The administering of the mica was suspended three times and each time a soft-shelled egg was laid, providing new evidence to complement the numerous observations which have shown that potassium cannot be stored in the organism.

(2) One of the observations that intrigued me and contributed to my “conversion” was the presence of saltpeter in the limestone on walls. This phenomenon is not new to man. Saltpeter was used in making gunpowder before man learned, in the last quarter of the nineteenth century, how to make saltpeter (which is potassium nitrate) from potassium chloride.

Saltpeter has been extracted not only from limestone on walls, but from soil of calcareous regions having a humid, warm climate alternating with a dry season. Right at the beginning of the dry season the soil is covered by a thick white layer resembling snow. The first gathering of saltpeter can be followed by a second one only a short time later.

On the walls of my house at the seashore I noticed that saltpeter sprang up continually, despite my frequent efforts at scraping it. It is doubtful that the limestone contained such quantities of potassium, for I had removed the saltpeter many times a year for eleven years.

I thought then that only calcium could be the origin of potassium (calcium - hydrogen = potassium).

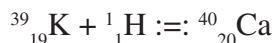


I compared this experiment with the one in which hens made eggs with calcareous shells without the use of limestone, after they had consumed mica. (Mica contains potassium silicate.) In the hens the opposite reaction occurs: potassium + hydrogen = calcium.

Thus there is a reversible reaction in nature. The parallels between these two reactions helped lead me to the hypothesis that transmutation occurs with an addition or subtraction of hydrogen, by the removal of a proton only, at the level of the nuclei.

This experiment on hens proved that there is a calcium-potassium relation, with potassium becoming calcium. This reaction is opposite the one that produces saltpeter. A transformation from potassium to calcium is also verified in man, in whom it aids calcification (but only in a very small degree).

Here is a nuclido-biological reaction with +/-H (which means that it is reversible, but not in the same organism):



#### PASSAGE FROM CALCIUM TO POTASSIUM

In a report made on the formation of granite G. Choubert cites an aberrant observation. Limestone of the second Pre-Cambrian Age can give potassic adinolites containing up to 12%  $K_2O$ .

The author writes, “The limestone is first transformed into marble. Then suddenly, without undergoing any transition, it changes into adinolite. What process other than some mysterious one could explain a transformation from limestone to a silico-potassic rock at the contact of a calco-magnesian magma?” (These calco-magnesian rocks are the dolerites, gabbros, and pyroxenolites.)

A study of certain adinolites has shown the latter to have been formed from a contact with dykes and dolerites incapable of producing such quantities of potassium. Mr. Choubert writes, “The potassic input could have come from nowhere... hence potash is born on the spot by atomic reaction.”

We can thus see how in 1952 Mr. Choubert had perceived the situation clearly. An explanation of this phenomenon was afforded by our experiments which showed that transmutation did occur on the specific element cited by Choubert.

[END QUOTING OF PART 5]

We need to attend a task elsewhere so please let us draw this particular writing to a close. We will get to a very important point in the next chapter, that of **production of calcium from silicon**.

## CHAPTER 5

REC #1 HATONN

FRI., AUG. 25, 1995 7:15 A.M. YEAR 9, DAY 009

FRI., AUG. 25, 1995

### EACH DAY IS BUT A MEASURE OF ACCOMPLISHMENT

It matters not what time of day you arise from your data sorting. Yes, that is what sleep is for—to sort the things of experience and allow a body to renew and recycle itself without stress of labor against it. It is a time of healing and should be filled with visions of great things to come, dreaming to offer understanding and cleansing, sorting and discarding—not nightmares recurring which devour the will and present the failures to always immobilize. When you can dream and envision life in better ways that is presented in the “play”, then and only then can we move forward instead of slipping BACK into such things as Armageddon.

There are several parts to learning to do things, say, such as walking or flying. As a babe learns to toddle he falls a lot, gets up and often falls again before he can stand. Ah, but the infant has only a very short distance from which to fall or sit and usually also has a well-padded landing gear. Then life becomes more filled with responsibility and falling gets more and more impactful upon the self—from ego to rear-end. Then you reach out further into the atmosphere and get further and further from the landing strip OR the padding on the seat. You, let us instance, take up flying in aircraft. Now you have a real problem, THE LEAST OF WHICH IS GETTING OFF THE GROUND! If you can get the plane started and the thrust going—you WILL get off the ground, but, without preparation—what are you going to do now? It is rarely the takeoff that gets ya’ and surely, if the machine is operating well it is certainly NOT the flying—but there in front of you is the landing!!! You have to set that piece of mechanical genius-apparatus BACK onto the ground. How well you do the landing is THE measure of a good pilot.

A RESPONSIBLE pilot will have his lessons and check his apparatus and his gear. He will prepare for contingencies—even a crash—and then as he reaches beyond his “self” he will take even more precautions and preparations for he will hold in his hands life or death of ANOTHER. A responsible pilot would rather perish himself than be at the controls when a craft crashes and the crew and/or passengers are deathed. HOWEVER, if you dwell in the “deathing”—you will never begin the LIVING! Therefore, you MUST learn how that craft works, how you can be the BEST pilot for that craft and MAKE PREPARATIONS WITH ALL THE KNOWLEDGE OF TRUTH YOU CAN GLEAN. YOU HAVE TO KNOW HOW TO LAND THAT SUCKER IF THE LANDING-GEAR FAILS.

Your entire world is on a crazy and dizzying flight, readers, without any signs of landing gears iN operation. Even the tower flight systems at airports are failing all over the world, but especially in the U.S. right now as HAARP is tested. You are having one hurricane, unheard of in all of history, hitting one after another—since HAARP is in operation. Society as a whole is living in “the pits” of distress, stress and depression as

the ELF, GWEN, HAARP and dozens of other systems are reaching their invisible tentacles onto and within your very beings. You are pulled and pushed until it becomes so difficult to change your patterns that you simply live with them—that you live on the merry-go-round with ever increasing out-of-control whirling. You have become dizzy with the distractions and expectations.

### STOP, LOOK AND LISTEN

The pre-school teachings of Mother or Guardian now stand you in good stead—IF, you remember them! Remember the book, *Everything I Ever Needed to Know I Learned in Kindergarten*? Unfortunately, parents these days don't often focus on that which the child NEEDS to know. Childish adults are too busy trying to survive in their own chaotic worlds to teach the children their necessary survival needs. Babies are now either aborted or birthed into the LIE. Mankind has FORGOTTEN TRUTH and therefore lost his way to build and sustain the actual act of "living". You actually do not even know that to get calcium into bone structure—you have to have silicon—NOT CALCIUM. And further, if I or any other teacher tells you as much—the teacher is crucified for his daring. It is easy, students, to join the rabble crowds and milling masses; it is the leader who will see the moment for that which it is and seize that moment to act in wisdom.

Moreover, he who has taken responsibility and makes the WAY possible bears great, great burden, for OTHERS take the gain and finally turn their own complaints or failings upon the one. You come to my projects, for instance, and even in your unprepared manipulations you turn upon me as if I had somehow failed your ego casings. Then what happens next? "Well, if God wanted it different HE would make it different!" No, YOU offered and your offer was accepted—HE EXPECTS YOU TO FULFILL YOUR COMMITMENT CORRECTLY!

By GOD's power, each day is made possible through HIS orderly structure of the UNIVERSE; call God whatever you may. Each day offers endless potential. You have "free wills" so each may choose what to do with each minute. Will you act like a big oversized child—or an adult with maturity and knowledge? Will you seek to fill the hole in the reservoir about to wash out your crops and homes—with silly putty and spoons of sand or sugar—or will you get steel and cement and properly stop the flow? Or, will you simply turn away and run from the confrontation or the task and let the dam burst? Will you serve, in responsibility, God's tasks and projects—or will you walk away leaving others to pick up your failings??

There is a poem which Clay Harrison wrote and I take great, great exception to the message other than "Seize the Moment".

*Seize the moment before it's gone,  
For another day begins at dawn.  
Embrace the night which brings you rest—  
Awake and know you did your best.  
Fight each fight, and run each race—  
It matters not if you win or place.  
Seize the moment... you'll be blest,  
Then rest assured you passed the test,  
For he who tries can never fail*

*When God directs the ship we sail.  
Seize the moment and hold it dear  
And rise by faith above your fear.*

Sounds good to you? Ummnn Humnn—let's look at the MEANING of the poem.

Seize WHAT moment before it's gone, for it suggests that this whole scenario is somehow taking place while you are in sleep. But rest assured, readers, that another day begins at dawn and embrace the night which brings you rest? Then when did you seize a moment and WHAT COULD HAVE BEEN IN THE MOMENT AT BEDTIME and DURING SLEEP?

Next: "Fight each fight, and run each race—it matters not if you win or place..." Fight? Run? It doesn't matter if you win or place? What are you going to do—just fight and run?

Then it tells you that if you try, and fail, it is fine. NO, it is stupid to continue without learning or preparation, to just go try, and fail. "Try" expects failure. Go learn how to do something and THEN DO IT—stop "trying" to excuse your failures at success.

God does not direct ships which sink. Man runs ships that sink so if you are ACTUALLY sailing WITH GOD—you are doing things right for you will have accepted and worked at HIS perfecting lessons and will SEIZE THE MOMENTS FOR ACTION IN THE MORNING TIME AND STOP WORSHIPING THE SLEEP WHEN YOU ARE NOT LIVING AT ALL.

Now, students—the BEST way to RISE ABOVE YOUR FEAR—IS TO KNOW WHAT IN THE HECK YOU ARE DOING!! To seize a moment and HOLD it dear is to assume stagnation. You must take the moment's opportunities, know all about how to step next and DO SOMETHING—**BESIDES GO TO BED SO YOU CAN WAKE UP IN ANOTHER TIME, ANOTHER DAY—WHEN HOPEFULLY SOMEONE ELSE HAS DONE YOUR WORK.**

Just because a poem rhymes and has words does not make it worthy of reprinting, much the less worthy of following instructions. Seize the Moment for service—YES. But try it in the morning so you can get something worthy accomplished. You have to ALREADY BE AWAKE to consider whether or not you did your best. Ponder it.

May we now turn to our lessons so that we might know HOW to live and grow—AWAKE!

BIOLOGICAL TRANSMUTATIONS, PART 6  
by Louis C. Kervran

English Translation: Michel Abehsera

[QUOTING:]

CHAPTER VI

PRODUCTION OF CALCIUM

## FROM SILICON

For those who doubt the reactions  $\text{Si} + \text{C} \longrightarrow \text{Ca}$ , showing that at the nuclear level calcium can come from silicon, it will be enough to point out a few observations made by different scientists.

After I had discovered the reaction Dr. Charruyer, Chairman of the Department of Physics at the Medical School of Limoges, mentioned to me that he had found in primitive grounds geodes of calcite in slaty rocks which were very hard, compact, and absolutely impermeable. These rhomboidal forms of calcium carbonate can be very big and weigh many kilos, but due to their impermeability, there is no possibility that they could have come by migration. They could only have had an endogenous origin in one of the components of the schists. In my opinion they could only have come from the reaction given above, since C also comes from the schists in the reaction  $\text{Si} \longrightarrow \text{C} + \text{O}$ .

The ability of silica to change into limestone has been recognized for ages, since in antiquity horsetail (*Equisetum*) was used for recalcification. (Horsetail is rich in silica.) It was also used for curing tuberculosis because it speeds up calcification of the lung caverns, thus promoting quicker healing. In 1846 Pierre Jousset, one of the great masters of homeopathy, showed in a thesis the effect of silica on people stricken with tuberculosis.

P. Van Thieghem had pointed out in *Traité de Botanique* (1899) that in the thallus of fucus, which grows in siliceous rocks, there is a high proportion of calcium sulfate.

This production of limestone by organic silica, as explained by reaction  $\text{Si}_{28} + \text{C}_{12} \longrightarrow \text{Ca}_{40}$ , has only recently attracted the attention of modern scientists... even though the phenomenon was generally known in antiquity.

The therapeutic method of recalcification has been used only rarely, for the most part by doctors who are traditionalists, healers, and homeopaths, etc., believing in natural remedies.

Wasn't it heresy to say that silica could recalcify? It was a denial of Lavoisier's chemistry, still official. That is probably why plants rich in silica, such as horsetail, were very recently erased from the pharmacopoeia in France.

In fact it is not unusual to meet people who still use horsetail in decoction or infusion. Some laboratories make and extract of it. It has been put on sale in pharmacies, but in order that the label conform with the pharmacopoeia, tricalcic phosphate is added to it.

Another horsetail extract, prepared differently by another laboratory, does not contain added calcium; it is presented as a dietetic product for all those wishing to avoid the risk of decalcification. Many pregnant women use it.

**Nature has many ways to prevent a deficiency resulting not from the lack of an element but from an insufficient production of the enzyme that carries out the transmutation. Calcium is not assimilable, at least not for man—unless it is proved otherwise. Decalcification may occur when there is a deficiency of the enzyme which transmutes sodium into magnesium, but it usually**

**occurs because of a deficiency of the enzyme which transmutes magnesium into calcium. It is much better to recalcify with potassium and organic silica.**

**Decalcification can then occur when saltless diets are prescribed, especially diets with chloride.**

There has never been a counter-indication for the use of silica, except in excess as with any kind of food; however, the body's silica tolerance is great.

Organic silica's action is fast: nails cease breaking and become normal after fifteen days if extracts are used; a longer time is required for horsetail decoctions.

Spectacular results have been obtained in the repairing of broken bones, but this we shall see in a chapter specifically dedicated to medicine. I shall demonstrate that fractures are repaired and healed faster with organic silica extracts than with the administration of calcium. MINERAL calcium is a residue and the organism does not assimilate it; it is found in the terminal stage in man and in higher animals. However, plants have the opposite reaction and can use calcium directly.

**For man, organic silica (which can only be found in plants in the springtime) must be used, because mineral silica has the opposite effect: it decalcifies.**

#### RELATION OF SILICON TO CALCIUM

The relation of silicon to calcium is also apparent in a careful study made on an egg in incubation. A chicken just hatched has a skeleton of bones and thus of calcium. However, there is an insufficient amount of calcium in the egg. Nevertheless, at the time of birth the chick's skeleton contains four times more calcium than the egg (both yoke and white).

It has been debated that the calcium comes from the shell—again a groundless assertion. Many research workers intrigued by the disproportion between the calcium in the skeleton and that of the egg wanted to see if there really was a migration from the shell. However, the latter has never been proved.

One can point out that the composition of batrachians and fish eggs is approximately the same as that of birds, and they have no noticeable calcareous envelopes. At its hatching the little one nevertheless has a calcareous skeleton, even in a fresh-water area lacking in calcium.

Research workers have discovered that the calcium weight in the egg does not change up to the 10th day. At the moment the membrane under the shell breaks away from it, the air chamber grows bigger—there is no possibility of migration of calcium toward the egg.

This membrane under the shell contains organic silica—approximately 0.5% in the outer leaf—in proportion to the fresh matter weight.

Limestone increases in the egg at an average of 0.04 g on the 10th day to 0.05 g the 14th day and 0.06 g the 16th day; then ossification comes about suddenly and the limestone attains 0.10 g on the 17th day,



0.13 on the 18th day, 0.17 on the 19th day, and 0.18 on the 20th. Thus from the 16th to the 20th day the limestone triples.

Most recent research shows that limestone “grows” when it comes in contact with the outer leaf of the shell. Dr. A. Charnot, Chief of the laboratory in Rabat, has verified that the membrane under the shell contains, for 100 g:

154.79 mg of silica ( $\text{SiO}_2$ ) in the inner leaf  
464.80 mg of silica in the outer leaf.

For further information on the production of calcium from silicon, see the chapter on medicine and nutrition. (Offered later.)

[END QUOTING OF PART 6]

We have had some rather unpleasant things arise here and my secretary needs to be elsewhere for awhile. Thank you for being patient for life is that which happens while other plans are made. We have now had ones in our own midst speak down to and separate ones other than White from our participation. I find that unacceptable behavior, and Doris has reacted like an explosion which has to be brought under control before we can continue on with our regular work. Good morning.

## CHAPTER 6

REC #1 HATONN

SUN., AUG. 27, 1995 8:45 A.M. YEAR 9, DAY 011

SUN., AUG. 27, 1995

### BIOLOGICAL TRANSMUTATION, PART 7

by Louis C. Kervran

English translation: Michael Abehsera.

[QUOTING:]

## CHAPTER VII

### MAGNESIUM

### ENDOGENOUS PRODUCTION

The link between “dolomie” and limestone is well known, although it has never been explained. It has been verified and that is all! In their uncertainty, specialists use terms such as “consanguinity of calcium carbonate and magnesia”, “genetic consanguinity”, “unitarian genesis”, etc. The enrichment of dolomie in magnesia is called “metasomatism”. This change of “soma” is in fact a **transmutation** perhaps identical to **one of the bacteria-generated reactions occurring in the genesis of raw saltpeter**. The latter contains magnesium nitrate in addition to potassium nitrate. The magnesium derives from calcium according to the reactions  $Mg_{24} \rightarrow Ca_{40} - O_{16}$ . The term “dolomite” has a precise meaning as a mineral: it is the magnesium carbonate which is found in varying quantities in rocks. Dolomie is the association of minerals. Limestone almost always contains some dolomie. The rare banks of dolomie are sought for the fabrication of cement. **[H: Please be aware as we write on these subjects that we feed our Gaiandrianas and AquaGaia ALL of these proper products for PERFECT cellular formation—only awaiting individual (YOURS) DNA and GENETIC labeling. We add the PARTICULATE (NOT JUST THE FREQUENCIES) SO THAT THE PARTICLES ARE TRANSFERRED TO YOUR BODIES IN PERFECT CELLULAR FORM FOR MERGING, CELL FOR CELL, WITH YOUR OWN SYSTEM. I do not “knock” ones who understand the importance of “frequency” as a healing focus—but YOU NEED PHYSICAL PARTICULATE TRANSMUTED WITHIN THOSE DRIA CELLS TO PRODUCE THE WHOLE PRODUCT FOR IMMUNE STRENGTH AND BODY CELL PERFECTION. YOU ARE PHYSICAL—YOU MUST HAVE PHYSICAL PARTICULATE WITH WHICH TRANSMUTATION IS NOT JUST A FREQUENCY “THING”—BUT AN ACTUAL ALCHEMICAL REACTION. Nobody on your place KNOWS what exactly IS LIFE! You can know the process, finally understand the function—BUT FROM WHENCE CAME THOSE PERFECT LIFE-FORMS—THE DRIAS? WE brought them from the source of LIFE, for your use in this evolvement.]**

In warm marine waters, plants (calcareous seaweeds) fix magnesium calcite; Ca and Mg are not separated. These seaweeds fix the magnesium of sea water and transmute Mg into Ca so that one always finds a mixture of these two elements. The same applies to shells in warm waters. Dolomites are prevalent in corals at a depth of 200 meters. Do the animalcules of the coral have difficulty in producing a transmutation at this depth with a 20 kg cm<sup>2</sup> pressure? Either the temperature is too low at that level or the factors of depth and temperature both come into play. A third possibility is that cold impedes the development of the coral—and Mg is linked to both cold and heat. Cold provokes the reaction  $\text{Na} + \text{H} \longrightarrow \text{Mg}$ , Mg affording protection against cold, whereas  $\text{Na} + \text{O} \longrightarrow \text{K}$  provides protection against heat. Coral beds in cold environments produce Mg; those in warmer and more oxygenated waters are, as they approach the surface, able to easily transmute magnesium in calcium ( $\text{Mg} + \text{O} \longrightarrow \text{Ca}$ ), making the coral at the surface a non-magnesian limestone.

Meanwhile, some authors had shown aberrant analyses for magnesium. In 1856 Lauwes and Gilbert verified that there was less magnesium in the ashes of grass receiving magnesia salts than in plants receiving no fertilizer. Branfeld, in *Continuous Creation* (1950), writes that the chloroplasts of plants cultured in water free of magnesium contain chlorophyll and thus magnesium. In 1929 Gortner established that there is 4.5% MgO in the ashes of chlorophyll.

In the past, deeper and more precise research had shown that magnesium is related to other elements, but no one could see the nature of the link.

Von Herzele noted an increase of magnesia in plants germinated without the help of magnesium. He also thought he had found the relation between Na and K with Mg, but he had always used Ca in a complex solution. Because of this his deductions were contested.

Barbier and Craminade declared that “each of the Na, Mg, and K cations present in small quantities is exchanged as if the mass of other cations were constituted only of calcium.”

The link between Na, Mg, K and Ca is thus perceived. D. Bertrand writes that the movement of magnesium “supposes a close correlation between the development of the micro-organisms and the development of the plant, and this has never been studied.” “One often admits that  $\text{K} + \text{Ca} + \text{Mg}$  is practically constant.” In 1947 Prince, Simmerman and Beau, studying lucern in twenty different soils, say “The most significant and simple factor influencing the amount of Mg absorbed by lucern is the K content. If in cases of successive culture this content decreases, the magnesium content increases, even if the lucern grows in a soil deficient in Mg.” The authors did not even ask themselves how there could be an increase in magnesium.

“Agronomists engage themselves in perfectly useless expenses by needlessly compensating a presumably insufficient magnesium content,” writes D. Bertrand. He adds, “The liming can modify in great proportions the quantities of magnesium absorbable or absorbed by the plants.” No one could be closer to the truth... and not see it!

The Imperial Bureau of Soil Science in England makes the following statement: “A significant magnesium deficiency in the soil is undoubtedly more common than we have thought until now.”

But, Bertrand writes, “It does not seem to preoccupy anyone anymore.” The agronomist does not seem to care that magnesium comes by itself!

### ENDOGENOUS PRODUCTIONS

**Magnesium is considered to be one of the most important elements in life**—not only in plants, where the chlorophyll molecule is built around an atom of magnesium, but also in animal life.

The importance of magnesium is such that in 1960 D. Bertrand wrote a whole book about it, called *Magnesium and Life*.

### ABERRANT RESULTS

#### (A) VEGETAL

The results given by D. Bertrand are completely aberrant: no magnesium fertilizer is given to the soil, yet the vegetal matter takes away great quantities of magnesium.

A few examples:

#### Mg taken away in Kg/ha\*

Wheat	12.8 (grain and straw)
Corn	54.5 (grain and straw)
Potatoes	24.5 (haulm and tubercule)
Sugar beets	37.2 (leaves and roots)
Artichoke	20.5 (head)
Cauliflower	40.9

\* 1 ha (hectare)= 2.471 acres

However, virgin land contains, in its arable soil, from 30 to 120 kg of Mg per hectare (ha). Regarding this fact D. Bertrand writes, “The major part of arable lands would very quickly be exhausted, a conclusion which this experiment invalidates.” So? He does not see any explanation.

#### (B) ANIMAL—The Rat

In 1918 Osborn and Mendel made very careful experiments on the rat. Concerning this, D. Bertrand wrote, “They could verify that the rat requires a small amount of magnesium. But in spite of their care it was not possible for them to prove that magnesium is necessary to a rat’s life.” These results were contested, the precision of the methods of analysis were at that time confirming the aberrant behavior of magnesium. D. Bertrand declares, “The experiment made on the rat proved that the latter keeps the magnesium rate of its organism constant. Medes, Bukner and Peter fixed the Mg at 45 mg for 100 gms of fresh weight, but found that no matter how old the rat—29, 60, or 90 days old—the amount of magnesium in its diet had a very small influence on the amount of magnesium in its organism.”

Thus it is of little importance whether there is a deficiency in ingestion. Here again, however, practical means for solving the problem were seen. D. Bertrand cites Mendel, Benedict and Bogerth who say, "A diet rich in calcium increases the elimination of magnesium and thus increases the need for it." This last assumption is erroneous, for no one saw that it is Ca which produces Mg and that the more Ca is added, the more Mg will be found, as happens in plants!

### (C) MAN

I will state here only a few experiments made in the Sahara with the cooperation of Prohuza, an official organization. I had been sent there officially in 1959 by the ethnologist Jacques Soustelle. I was able to observe the working conditions and have access to the detailed results of all the analyses (research coordinated by D. Borrey).

The experiment took place near Ouargla with a team of petroleum workers; it lasted six months. Here is a magnesium balance sheet (values in milligrams, per man per day):

fig 4

	<u>Ingested</u>	<u>Excreted</u>	<u>Balance sheet</u>
April	288	290	- 2
May	247	354	-107
July	348	528	-180
Sept. 5-9	198	420	-222
Sept. 12-16	<u>211</u>	<u>286</u>	<u>- 75</u>
Average	258.4	375.6	-117.2

These aberrant results were verified with the cooperation of the French Marine Militaire. Prohuza, which was really interested in the problem of living in a hot climate, made the experiment again, this time using a physiology laboratory situated in a drier climate near Tindouf. The experiment lasted eight months.

Here is the magnesium balance sheet. I will give only the general average, per man per day.

<u>Ingested</u>	<u>Excreted</u>	<u>Excess</u>
314	570	-256

which equals 80% more rejected than ingested.

Thus no matter who the team of research workers or which laboratory of analysis (first experiment by the Pharmacy Faculty of Strasburg, second experiment by the laboratory of the Marine Nationale de Toulon), it was confirmed that during great dry heat an organism secretes more magnesium than it receives and in such quantities that there can be no question of any error or a mobilization of reserves. The amount of magnesium able to be mobilized in the human body is only 5 gr; but the August figures (from the second

experiment) reveal:

<u>Ingested</u>	<u>Excreted</u>	<u>Excess</u>
395	1047.5	-652

It is quite obvious that in eight days these people would have lost all the magnesium they could mobilize; they nevertheless “survived” eight months.

Let me point out that the balance sheets of sodium were, on the contrary, positive; i.e., in this hot and dry climate the organism was absorbing more sodium than it excreted, and no sodium accumulation was observed. It is interesting to know that the salt in a hot and dry country is richer in magnesium than sea salt, that most of the waters of arid, warm regions are salted and very rich in magnesium.

This continuous increase of magnesium comes from sodium by means of the reaction  $\text{Na} + \text{H} \rightarrow \text{Mg}$ . (The sodium in plasma is the source of the magnesium production in animals.) We have the formula:  $^{23}_{11}\text{Na} + {}^1_1\text{H} := {}^{24}_{12}\text{Mg}$ .

\*\*insert fig. 5\*

**NOTE:** The two parts of the nucleus are superimposed. For diagrammatical clarity we are representing these figurations side by side, indicating the liaison orbits by dotted lines.

**ED. NOTE:** We advise the reader to consult all the books about magnesium that he can find on the market. He will be able, after reading THIS book, to make sense out of almost all the aberrant metabolism of this element. He may also obtain much information from J. I. Rodale’s book *Magnesium: The Nutrient That Could Change Your Life* (Prevention/Pyramid Publishers), from which he will learn the multiple and important role of magnesium.

[END QUOTING OF PART 7]

### SUGGESTIONS FOR PET HEALTH

I am going to make a suggestion here that will seem limited but can be utilized by anyone with pets (four-footed, two-footed or wing flappers)—giving them availability to ALL minerals. For an aviary (as with Dharma) give them a box of dirt from a good sandy soil, mix in sand, add silica and mica if you can find it. Silica comes in many forms but what we have for Gaiandriana is in liquid form. To the dish of soil, add some crushed mineral tablets in hefty supply. The larger the granules the better the fowl will enjoy the dish. Add a lot of oyster shell and cuttle bone. You will see an almost INSTANT RESPONSE in the birds. Keep this mixture ALWAYS AVAILABLE. Vitamins can be offered in their water supply (or in a separate always available special feeding place) but especially cooped or caged birds (and all animals) need easy and constant access to these elements. Birds (including chickens and domestic fowl) must have these additives along with GRIT or they will become most unhealthy and have unseemly feathers and will likely

suffer bill and nail mutations. I also, Dharma, suggest spelt cake (bread with barely sprouting grain added and baked into the cake) as a regular supplement to the birds' diets. The spelt grain (raw), and especially if in the hull, is TOO harsh and hard to digest in raw form unless soaked for 8 to 10 hours. It is, however, a good way to get these products into the system, by soaking the seeds in TREATED water in which you add Gaiaandriana drops along with OxySol, and a drop or two of silver and gold. The water will then be absorbed into the grains of spelt. Feed while soft and damp because the SPROUTING (sprouted) product is a marvelous, marvelous food supply. And, no, it will not be as expensive as Vet bills or the time consumed in attending deprived birds. You will find dispositions and attitudes taking on a whole new aspect as well.

Into the bird bread cakes add some brewer's yeast as well as the baking yeast—as BOTH are excellent. Use Molasses for the “sugar” for the yeast as well as a couple of crushed mega-mineral tablets as the minerals are not diminished by the heat of cooking. Vitamins are better added to water but certainly a vitamin liquid solution can be used in the bread cakes also—as a portion of the water. You don't need to “overdo” and waste—for it truly does not take much. You will find that your animals will “inhale” this product also, especially if you flavor it a bit with butter or broth (gravy??). Just try it and see the difference. If you have “old” flour to use up—mix it, add some good vegetable oil and feed it, in addition to the seeds—even to the wild animals. You need healthy wild visitors as well as your own pets because sickly “wild” animals bring disease within your midst as carriers.

I am not suggesting making your way more difficult in an already too busy schedule—but this truly does NOT take much time, the cubes or loaves can be stored in the freezer so you can make several at a time and use as “special” treats for the animals. It is noted here that leftover scraps of spelt bread are GONE within seconds of being made available to either the aviary or wild birds.

I am truly trying to make your way a bit easier for, as you go along here—living is going to get harder and where you can have home-made things from available resource—you can continue life through the hard times which are planned for you nice citizens. You MUST take precautions for preparation for your pets and animals—for when they get hungry enough they will see you as dinner and not just FOR dinner as a guest. Neither do you reduce yourself to eating your pets for your dinner. Learn the alternatives to excellent health and you can all live quite happily and healthily together.

We will turn next to the relation of magnesium and calcium.

Salu.



## CHAPTER 7

REC #1 HATONN

MON., AUG. 28, 1995 7:55 A.M. YEAR 9, DAY 012

MON., AUG. 28, 1995

### ACKNOWLEDGEMENT

As we begin a new day in a new week, things change for in life there is only one certain thing—CHANGE. Acceptance of change is that which allows growth for in “accepting” there is only positive motion IF (***IF***) responsibility comes with that change. Anyone can BLAME another for whatever change of “negative perception” may come about—but if one reaches into his own inward thoughts and actions—perhaps responsibility is THE stance which shall turn the negative into the positive.

“Acceptance” is NOT “submission”. One is that which allows growth while the second admits a power struggle of some kind. In most instances, outside the deliberate plans of such as the New World Order—there is no power play but, rather, that which is necessitated by circumstances which usually reach beyond the control of self or others. Acceptance is but the acknowledgment of the facts of a situation followed by the making of decisions of that which you will do about the situation.

The decision you make about the circumstance, like making a trip, the route you take will depend entirely upon where you want to go and how much baggage and garbage you haul around with you. If you have been loaded with excess baggage from that which was past experience and refuse to let go of it—you are not going to reach destination for you will fall to the wayside in deliberate measure to PROVE YOUR UNWORTHINESS.

He who constantly cannot function because of reminders of incidents in past associations, be it business partners assumed incompatible, to parents who oppressed, is not going to make the journey for self within even the family unit if he/she is unwilling to accept responsibility for the plight in which he finds self embroiled—for any reason. Further, if a man/woman fails in this interchange after accepting a task and then does not fulfill same, he is cheating self as well as the “landlord”. And, after all is said and done in this life, sometimes it simply requires taking a different path in order to arrive at a different place. How else can you change things in your lives which shout out for change?

Recovery offers you courage to make choices about the events of your lives. Passive compliance with whatever is occurring does not longer dominate your pattern of behavior. The more rebellious and angry one becomes over necessary change the more one is placing self into immobility, and then the feeling of powerlessness escalates as you become more idle in either decision or taking the harness, putting it on—and growing. When this happens (*taking the harness*) you will find doors opening and anticipation filling your being as you reach out to do that for which you are more suited. You can take either pathway—the one into greater worthiness or the one into the doldrums of blaming another for that which you know is circumstance of your own responsibility in action.

An exhilaration about life accompanies the taking of action and responsibility. The spell that idleness casts over you is broken, and subsequent actions are even easier to take. Clearly, making a choice and acting on it is healthful. You have been given the tools to do both.

I would suggest that in any given day there are dozens of decisions to be made—not the least is with each breath you have decided to take, or refuse and die. All other things, then, are up from there. So, decisions will be called for today and every day. Will you be patient with yourself, and thoughtful in honesty with self? Will you listen closely to the guidance that comes from those around you, especially those involved or who care greatly? Will you be broken by changes which are certain to come, or will you become stronger in the opportunities you have not yet considered?

The world is in constant change and now that you no longer have to concern about “just” the world and natural changes—you must consider the close-down of all freedoms by the New World Order Banksters.

Just today the merger is under way by two of the world’s largest banking operations, Chemical and Chase Manhattan. The handwriting is on the wall and the acts UNDER WAY. Things are going to get worse and worse and worse as to freedom and as economies are broken and jobs are vanished—there WILL BE CHANGE! However, this very change and that “loud sucking sound “moving to Mexico”, for instance, leaves small ventures abundant avenues for function and, as prices decline, there becomes opportunity to, at the least, survive, if you pull together. The SYSTEM is in control and until you understand it as such—you cannot act in wisdom—only in foolishness. What have YOU done to make your way better or do you just blame others for the changes mandated by same—changes?

What happened to get to here? You slept and played while “Rome burned” and “Sodom and Gomorrah fell”. You danced and drank, drugged and had a party-time while you failed to notice that the world was under siege. You bought into the brass while the gold was taken by the Elite.

JOHN COLEMAN’S  
SOCIALISM: THE ROAD TO SLAVERY

Dr. Coleman has come forth with another EXCEPTIONAL book of information. He titles it *Socialism: The Road to Slavery* and I believe it surpasses his two prior volumes in insight and in the perceptions which penetrate the facade of government and World Orders. When society makes choices which allow loss of freedom—there is always a REASON, but never the one offered. I would hope that you will acquire this book. You can obtain it directly from Dr. Coleman at WIR, 2533 N. Carson St., Carson City, NV 89706.

Part of your problem in misunderstanding comes from the deceitful lies presented in such as “Communism” as a tag for actual and incredible SOCIALISM. Communism was a nice term which by definition WOULD DELUDE WHILE SOCIALISM COULD GRASP A WORLD AND THEN BE CONTROLLED BY THE VERY BANKSTERS OF THE SOCIALIST POWER CORE. Therefore, in the end you don’t actually even have “Socialism”—but rather an enslaved world of puppets dancing on the strings of the puppet-masters. It is the journey to slavery which is necessary in the knowing and how, through the false idea of Communism and then Socialism, enslavement of the masses is accomplished.

I would share the first paragraph of the “Introduction” of this book—and it gets better from there:

“We will build the New World Order piece by piece right under their noses” (the American people). “The house of the New World Order will have to be built from the bottom up rather than from the top down. An end run around sovereignty, eroding it piece by piece, will accomplish much more than the old fashioned frontal attack.” *Richard Gardner, leading American Socialist, Foreign Affairs, the journal of the Council on Foreign Relations (CFR), April 1974.*

Any who would deny are destined to repeat and repeat and repeat the enslavement. This whole captivation was built tiny stone by tiny stone until now the boulders are put into place and you cannot dislodge them through any kind of force, for the ones in power—HAVE THE MAJOR **FORCE AVAILABLE**. You CAN survive to live another day but you have to learn to live within the system—BUT NOT BECOME THE SYSTEM.

A massive amount of sorting and housecleaning has to be done to achieve even a level of morality once enjoyed by citizens of your planet. The FIRST place to CLEAN IS YOUR OWN HOUSE! Casting more stones will not help but, rather, build more reason for nastier battles. Fighting the giant will not help for he is not vulnerable to such as slings and arrows—HE HAS PHASERS. The responsibility and self-”order” must begin with YOU for it shall certainly END with YOU. No one is going to give you a free ride or lunch and any you think you have had up to now are soon GOING TO BE PAID FOR! And further, you who blame others for your own plight and find it amusing when called on your own foolishness are going to be sorely tried for no OTHER can do that FOR you which is obviously expected and demanded by narrow thoughts of self-disrespect. Any man/woman who lashes out in wrongful behavior and blames another is simply shouting his own unworthiness and insecurity, to the world. Freedom must be based on EQUALITY and generous LOVE, one for another—no matter WHO that other might be. When you cast down another—you cast down self.

Please allow us to move on to the next topic in our cellular transmutation subject.

### BIOLOGICAL TRANSMUTATIONS, PART 8

by Louis C. Kervran

English translation: Michel Abehsera

[QUOTING:]

### CHAPTER VIII

### MAGNESIUM-CALCIUM RELATION

There is abundant literature on calcium, but there is relatively little systematic research available on magnesium, the central constituent of the chlorophyll molecule (having a porphyrin structure of one magnesium atom fused with four nitrogen atoms).

The harvesting of crops involves the removal of the soil’s magnesium. Nevertheless, it is rare to find an

author who advises restitution of magnesium to the soil, as Liebig's theory (The qualitative restitution to the soil of the quantity taken by the harvest.) would warrant. Why is Liebig not heard? Quite simply because in most fields magnesium is inexhaustible. There is a magnesium auto-genesis which has remained one of the enigmas of agronomy.

Already in 1858 Malagut and Durocher had written, "Although magnesium is found in almost all vegetal life, one should not conclude that the importance of this matter in arable soil is as great as that of lime (CaO). It has been observed that when magnesia is missing, lime can replace it; but the opposite does not hold true."

### EXPERIMENTS

The following experiment was carried out: A group of animals fed with a diet deficient in magnesium was compared to another animal group receiving a normal diet. Since 1918 different countries have conducted intensive research of this kind, considering the male/female factor as well, since the latter has an influence on quantitative variations. But the direction was found to be the same in all animals.

Some scientists varied the phosphorus, calcium, and magnesium amounts in the diet and verified the resulting weight differences in the animals. The result of this was an attempt to fix in the food an optimum Mg content in any way possible; for example, with calcium (Ca/Mg), with phosphorus (P/Mg), or by keeping P/Ca constant.

If the magnesium percentage is decreased to 2.5 mg for 100 g of food (which implies the purging of the food in order to take out the Mg normally present), the magnesium deficiency is such that rats become rachitic, their hair dull and shaggy and their tails depilated.

### VARIATIONS OF CALCIUM IN PROPORTION TO MAGNESIUM

The influence of magnesium on the assimilation of carbohydrates (vegetarian diet, large bread consumption, etc.) has been shown. The need for magnesium in man and animals is greater whenever their nourishment is rich in carbohydrates.

Demolon studied the balance sheet of calcium (and phosphorus) in dairy cows and found a negative balance sheet. These animals secrete more calcium than they ingest. I have made the same verification with regard to hens.

There has been a mystery concerning the formation of the shellfish carapace. It has been said that the animal "fixes" the calcium of the sea, but this is another unfounded assertion.

One day my grandchildren brought me a crab that was in the process of molting; it was a soft mass. So that it would continue to live, we placed it in a cave containing a very small amount of sea water. The next day it had already acquired a firmer carapace, which was completed the day after. In approximately thirty hours a crab forms its carapace which, for a 17 X 10 cm size, weighs 350 g. The calcium content of sea water is very small (on the average, Ca = 0.042%). The molting shellfish is unprotected from marine

animals and, being very vulnerable, it hides and does not hunt.

A body analysis of the crab has shown that its hepato-pancreas alone stocks a small amount of limestone (calcium carbonate) before the molting, but its carapace contains forty times more limestone than its pancreas. Then?

We have seen that the magnesium (and potassium) found in sea water (5% magnesium salts and 0.5% potassium salts) can give calcium and that it is essentially magnesium which is utilized by the shellfish to make its carapace.

At the Maritime Laboratory of Roscoff, a crayfish was put in a sea water basin from which limestone had been removed by precipitation; the animal made its shell anyway.

Chemical analysis made on animals secreting their shells has revealed that limestone is formed on the outer side of a membrane although on the opposite side of the membrane, where matter enters, there is no limestone. This fact has left specialists perplexed.

Of course, scientists who have been experimenting in this field are criticized by other analysts; that is in the order of things. But the innovator is not always wrong; nothing is perfect (the perfect being inaccessible to man) and someone will always find a point to criticize, for that is how progress is made. I will therefore refrain from claiming that the methods I have used thus far are perfect. However, I judge results valuable when they are of relative value when measured against variations obtained by the same method.

I have accepted the research of the authors cited, insofar as they provide strong guarantees. With this research the chemists-biologists demonstrate, themselves, that with regard to living matter there are inadequacies in Lavoisier's law concerning the conservation of matter. Thesis judges concur with them, thus showing that our conclusions concerning the failure of Lavoisier's law in the field of biology is beginning to be officially admitted.

[END QUOTING OF PART 8]

We must cut this writing a bit short but I repeat: Life is that which happens while we make other plans. Thank you for patience.

## CHAPTER 8

REC #1 HATONN

TUE., AUG. 29, 1995 7:40 A.M. YEAR 9, DAY 013

TUE., AUG. 29, 1995

### PRUDENT STEWARDSHIP

No man can be providently wise of his time who is not prudent in the choice of his company, for each man at one time or another is judged by the company he keeps. Further, you can measure the importance of a man by that same company. It is remarkable how at first meeting of anyone you have only that which is appearance by which to measure or judge a person, for in first presentation you have only what is present. However, when you leave and have gotten to somehow know a bit about that person, place or thing, attitudes change for then you will turn to discern and judge by his heart and what he projects. How do you “judge”? Is it by color, race, creed? Do you take the time and energy to get to know what IS or do you, as a child, accept and allow until you are trained by another’s judgments and/or risk getting to KNOW for self? And further, does that which you teach, speak and/or bring forth from the tongue in mouth evoke love or hurt? Do you THINK before you pronounce to others your own presentation of misunderstanding—or IS THAT WHICH YOU SAID, SHARPLY, what you actually hold within? You must reach out, readers, but you must do so in respect, reverence and knowledge of the person and circumstances within which you have action, thought and motion, for that “other” offended will usually struggle to his dying day to revenge his own OR YOUR foolishness. Most often he will prove YOU TO BE CORRECT—but that, of course, depends on YOUR ATTITUDE, BIAS AND BIGOTRY.

You cannot, however, walk the fence wire or the middle line forever, allowing others to take the risks FOR YOU. YOU must live your own life(S). Simulating that “other” does NOT make you “that other”. Life must be either a daring adventure or it becomes nothing. It appears there are FEW who daringly step forward in TRUTH to assume risks toward freedom and justice. There are many willing to take up war and shout willingness to die for a cause of justice (but few who really mean it and even fewer who will LIVE FOR RIGHT-NESS). Are YOU *living* or are you already “*dead*”?

### GOLD AND DOOM OF FINANCIAL SYSTEM

Before we turn to magnesium, calcium and phosphorus, let us speak of GOLD—again. Ah, but we speak not of that which heals and fulfills the body—but rather, that yellow stuff which fills the coffers.

I am only going to refer and utilize excerpts of an article in *The New Federalist* for it seems to represent the best written outlay of that which is taking place behind the scenes in the gold chase. You will learn that the banksters may well be at the head of action and may present from such places as Switzerland, but the major control comes directly from England.

I am trying to get further from these topics so that others can offer the advantages of information while we



speak more directly to health and healing, but I note that is not always available—mostly because of space and time limitations, other focus, and lack of hearing about what is taking place, for as it is with all of us, “Life is that which must be attended while you plan for something else.”

August 21, 1995, *The New Federalist* [quoting:]

....During the recent several months, the smart money of the world’s super-rich families began to move out of the “derivatives”-rotted financial markets, into hoards of gold bullion, prime-quality raw materials, and increasingly scarce world food supplies. This was prompted by the recognition of the fact that a general, unstoppable collapse of the world’s monetary and financial systems was in progress. The failure of the governments to adopt any effective plan for action for dealing with that collapse, at the recent Halifax monetary conference, prompted accelerated movement into hoarding. The lunatic decision of the U.S. Federal Reserve System’s Alan Greenspan, among others, to adopt the same reflationary approach as the doomed Reichsmark-system adopted in 1922-23, accelerated the stampede.

During the past two weeks, the stampede into two areas, gold bullion and metals such as tin and aluminum, broke the equivalent of the “sound barrier” in the Tokyo and London markets. Hoarding of increasingly scarce world food supplies proceeds more quietly, but massively, through such massive speculators as Archer Daniels Midland’s Bush ally, and Clinton adversary, Dwayne Andreas.

The flight into hoarding shows the true opinion among the powerful families gathered around the Anglo-Dutch financier oligarchy. They have taken to the lifeboats, at the same time that the *Wall Street Journal* lies to the rest of the passengers, the suckers, by assuring them that the financial Titanic is not sinking.

### GETTING INTO GOLD

According to a recent World Gold Council report, “Gold Demand Trends”, Japanese total gold demand reached 87.3 tons in the second quarter of 1995, 51% **more** than the year before. Compared to the first half of 1994, demand for gold increased by 107% in Japan in the first half of 1995.

A spokesman for the World Gold Council said that the sharp jump in Japanese demand for gold was “directly related to fears about the solvency of the Japanese financial system, the record low interest-rate levels, and a desire for hard security protection, traditionally associated with gold, in crisis times. A new investment vehicle, so-called Gold Accumulation Plans (GAPs), are being bought by private investors, creating the explosive demand for physical gold.”

On Aug. 15, the head of a gold trading firm based in California told *ERINS*, “I have been told by two sources, which I consider strongly reliable, that over the last three to four weeks, the big Swiss banks are buying gold and other precious metals.” He added that other purchasers are wealthy families who are buying gold of their own account.

The same rush into gold was seen in London. The *Financial Times* of London noted on Aug. 5 that gold was heading toward below \$380 an ounce a few days earlier, when the market abruptly reversed, after “finding support and robust physical interest”.



But the oligarchs who run the City of London operate far differently than do the Japanese, or even the Swiss. As one European financial insider said, “Quietly, over the period since the October 1987 stock crash, City of London interests have reorganized their control over strategic gold and **mining interests**. . . Today, gold is a British-controlled game.”

As is typical for the British, they have concentrated not just on physical possession of bullion, but on possession of the mines from which new bullion will flow. In interviews with various mining companies and gold market analysts in London and Zurich it was repeatedly told that this reorganization constitutes a major global shift in the “geopolitics” of gold production, away from South Africa, to new low-cost mines in Nevada, Australia, and Canada. One result is that U.S. gold output has doubled in the past eight years, from 155 tons in 1987, to 331 tons in 1994.

**[H: Yes, and in nearby mines it is about as dangerous as can be for, as in South Africa where a holding pond collapsed and poisoned the rivers, Cyanide is used for leaching the gold in processing. THIS IS POISON! In addition, the mines, either right up front or behind the scenes, are owned and operated on a major scale by petroleum corporations who run right back along the line to British Petroleum (England). I can't suggest often enough to consider both helping the Institute and offering gold collateral at the same time. {Inquiries about the Phoenix Institute should be made during normal West Coast business hours by calling 805-822-0601.} We can't promise anything but it surely appears that judgments have been correct and gold IS THE valuable hoarding element. This means that pricing can also be CONTROLLED—but it is not controlled NOW unless the Elite plan for it to be “out of sight” one of these closely upcoming days! In fact it gets harder and harder to find ability for our arrangements as the bank is delighted to lend against gold but supplies are harder and harder to locate. We now have a dual problem for we use a lot of gold in colloidalizing. Ah, but when that colloidal is introduced into a body with DRIAS, the gold becomes MONATOMIC gold and is the “programmer” of cellular life. You must have it present to properly PROGRAM each living crystalline CELL.]**

These British interests have taken control of companies and mines that can recover gold for \$180-220 an ounce. **[H: Of course, the price is set at the mine to allow for the differential at the market— BOTH RUN BY THE SAME ENTITY.]** This is significantly below present South African production costs of some \$273 an ounce. More significant, the North American and Australian mines can produce gold for less than half the current bullion price of around \$380 an ounce.

### THE MINING COMPANIES

There are four major companies involved:

1) Barrick Gold Corp., based in Toronto, the third largest gold producer in the world, and the largest outside South Africa. The board of Barrick overlaps other key British companies and financial interests: Barrick Chairman Peter Munk is an intimate of Windsor financial front man George Soros; Canada's former Prime Minister, Brian Mulroney, who owes his career to Hollinger Corp. Chairman Conrad Black, is also a Barrick director. **[H: Please refer to several prior lengthy articles on these people. You can probably locate them most easily in the journals rather than in back-copy papers. These are EXTREMELY important players in your game of life.]** (Hollinger has been the tip of the British spear

attempting to impale U.S. President Bill Clinton.) Barrick's international advisory board includes former U.S. President **George Bush**. In 1995, Barrick expects to produce 3 million ounces of gold, and has 44 million ounces of gold in reserves.

2) Newmont Mining, which owns a major part of Nevada's profitable Carlin Trend. Major Newmont shareholders include **Lord (Jacob) Rothschild, Sir James Goldsmith, and George Soros**.

3) RTZ Corp. PLC, the world's largest mining company, and a core asset of the London-based Club of the Isles. RTZ's major stockholders reportedly include the Queen of England. RTZ's deputy chairman, Sir Martin Wakefield Jacomb, retired as a director of Barclays Bank in December 1993; was a director of the Bank of England until late last year; and is a director of *The Telegraph* PLC, Hollinger's flagship newspaper in Britain.

4) Hanson PLC, which owns the largest share of Renison Mining of Australia, is intimately tied to **Baroness Margaret Thatcher**. It was Thatcher who arranged to have Lord Hanson made a life peer. Simon Keswick of Jardine Matheson, the old-line China opium-running outfit, is also on Hanson's board. Hanson executive director **Anthony G.L. Alexander** is also a director of Incheape PLC, which is the successor of the China opium-running firm Peninsular & Orient Steamship Co. Other Hanson directors include Kenneth Baker, chairman of Britain's Conservative Party, 1989-90, and Home Secretary, 1989-90, and Charles H. Price II, U.S. Ambassador to Britain from 1983 to 1989, and a director of the New York Times Co., Inc.

#### MORE COMMODITY CONTROL

The British are rapidly moving to control other hard commodities, also. The *London Financial Times* reported on Aug. 12 a "severe tightness of supply in the London Metal Exchange's tin market" which traders are blaming on Barclays Metals, a part of the large British clearing bank. Tin prices last week rose to a three-year high of over \$7,000 a ton, 40% more than this year's low.

Two days later, the *Financial Times* attempted to reassure the suckers that "the rise in international raw materials prices... appears to be ending", but warned that "consumers might experience some nasty short-term shocks before [prices] turn down again. Stocks of metals traded on the London Metal Exchange—aluminium, copper, lead, nickel, tin and zinc—have been falling steadily and supplies are getting tight."

As for food, the *Financial Times* warned that "reduced world stocks for a number of commodities will make prices susceptible to unforeseen supply disruptions."

Remember the big food news stories of a few years ago, with *Time* and *Newsweek* showing mountains of "surplus" grains on their front covers? That surplus is long gone: This past Spring, the U.S. Government announced that, **for the first time since World War II, it has NO EMERGENCY FOOD RESERVES WHATSOEVER**. In Europe, grain stocks have fallen to a historic low of 6.26 million tons. (A year ago, European reserves totaled 17.16 million tons; two years ago, they were 33.43 million tons.)

**[H: Perhaps you can now see the urgency and need for growing a bit of Spelta? Spelt is not**

considered worthy of second notice even though it is the best and most perfect “grain” around. Further, “they” will leave you alone to your small industrial operation—IF you don’t make big waves and grab for the gusto away from “them”. We are speaking “living” (staying alive), readers. I have never yet misled you regardless of the tauntings you have heard! We play within the system in order to “make it” and that simply IS THE WAY IT IS. This is why, however, a loss of a full year’s crop is painful and hard, especially without funds for recovering that which is mixed with the weed seeds. The farm is having to be closed to farming—we will hold to the lease in the milling area as we do have some market for the grain and flour. This is pure pittance but allows for continuation of such as the paper and, we pray, can cover the lease of several thousand \$\$\$ a month. It appears we may have to relocate even that tiny operation if help doesn’t arrive quickly. We shall simply have to play out the “hand” and see if we can get some of the Mid-west grain to work this through. Readers, you are IN the shutdown while the big-boys take it all.

Do you perhaps begin to see how and why you need riots PRIOR to the total shutoff of welfare and famine strikes the cities along with the already rampant diseases? The Elite have always known what they were doing, and are doing it—TO YOU.

Are you, further, able to now see why growing fields must be devastated by floods, droughts, etc.? The capability of managing the weather and plant diseases is such that the commodities can be kept in incredible scarcity—making that which IS available outrageously expensive—in a world in economic collapse.]

In South America and Africa, grain and basic food output per capita have fallen for 10 years. In Russia, the latest estimates put the grain harvest at 75-78 million tons, the lowest in 25 years.

#### FOOD: SPECULATION AND SHORTAGE

The total world grains harvest forecast for this year is 1.724 billion tons—well below the average harvests of recent years, and below even minimal average world consumption levels of 1.8 billion tons. Actually to meet the required daily caloric intake of over 2,000 calories for every person on the planet, world grain output should be over 3 **billion tons**.

For decades, the world’s grain business has been dominated by a small number of companies, led by **Cargill** and **ARCHER DANIELS MIDLAND**. A look at ADM shows how these grain cartel companies are completely integrated *into the politico-financial apparatus of the Club of the Isles*. ADM chairman **Dwayne Andreas**—a top official of Cargill for seven years, before being sent to run ADM—is on Holliger’s International Advisory Board.

ADM is currently under investigation by the U.S. Department of Justice for price fixing. The investigation also includes Tate & Lyle PLC, the company which controls the world’s sugar, and which has dominated Britain’s Caribbean affairs since the zenith of the early-1800s **SLAVE TRADE**.

The investigation of Tate & Lyle centers on A.E. Staley Manufacturing Co. of Decatur, Ill.—where ADM is headquartered. In fact, ADM owns a 7.9% stake of Tate & Lyle; the relationship between the

two companies is so close that a three-mile pipeline links an ADM facility to a Tate & Lyle facility in the Decatur area.

In September 1994, Hollinger board member Dwayne Andreas arranged for ADM to purchase 10% of the non-voting stock in the Hollinger U.S. subsidiary, American Publishing Company. This investment helped consolidate Hollinger's takeover of the *Chicago Sun Times*. **APC owns over 100 daily and weekly newspapers in the United States, the vast majority of which are in the farm belt, the heart of the ADM and other grain cartel company operations.**

The ADM-Hollinger partnership was even more tightly sealed last December when another ADM director, former Bush ambassador to MOSCOW Robert Strauss, was named to the Hollinger board of directors. Strauss is also a partner of ADM's major law firm.

**The Hollinger International Advisory Board, on which Andreas sits, is headed by Lady Margaret Thatcher, Henry Kissinger, and Lord Peter Carrington; and includes Evelyn de Rothschild, Giovanni of FIAT, Paul Volcker, and Sir Jimmy Goldsmith.**

[END OF QUOTING]

I hope all of you will read the above most carefully for it is important to your very survival. He who relies on government subsidy and food, without preparation against the lean days, will surely be hungry or even perish. Games of poke, prod and snag will have to stop if you want to succeed in our own task of simple preparation. Egos are going to have to be relinquished for the very simple ability to LIVE as we move along here. If all you do is cast blame on others for YOUR own failures or deliberate lack of service while picking and doing "big talk", you are going to drown in your own nests for both the water WILL rise and you WILL have needs. It no longer matters WHERE you ARE—you WILL HAVE NEEDS as the lid comes down on your heads. It is long past "serious" time and you who choose to choose up on silly issues and take sides and toss blames, will be in very deep yogurt. You who continue to play in "getcha" games while also talking BIG talk and considering big placement in a new little World Order are making errors of judgment and discernment. If you cannot put aside your "airs" and get on with a bit of LABOR, you are not going to HAVE ANYTHING! You who continue to talk big, while living off others, will not do well when the cow-chips hit the fan. I am around to bring joy, yes; but I am not here to feather your nests or spoon feed your egos and fantasies. You are in TROUBLE—**BIG TIME**—and it is happening as we write; that which you don't see is going to KILL YOU. At the very least, you will be DISABLED!

I have placed STEWARDS of that which we must have, in place. They do not like their JOB any better than YOU like them having it. We are unbending because I can see and watch the ones who play at games, quibble of status and argue and stubbornly refuse to function properly to "get" something or another. It is unacceptable. It is perfectly well your prerogatives to do so and YOUR OPINION is valid as any—it simply will not grow grain, build shelters or provide for the healing and helpful products of NEED. If you let the thistles and weeds overtake your garden—so be it, for certainly I have no need for either the garden or the weeds—**BUT YOU DO!**

I find myself wondering what YOU will do about the irrigation of the garden? The big pump will burn out when the irrigation load is removed—and from whence will water flow for the garden? If the chickens are

not fed or these removed, who will have eggs when the markets close? The farm has, for the working part of the land and dwellings, to be vacated! Does anyone understand?? Without funds there is no farm! Worse, the improvements are also LOST! Worse, in December the price goes up greatly for just the lease on the place. This is not funny or something you can toss aside—this is SERIOUS and, as with all living things—emergency. Meetings to explain “what I meant was....” are of no value—they simply take up TIME while plants and animals are dying. Is ego worth it? NOT TO ME OR MINE! GOD PROVIDES WHEN YOU GET READY AND DO YOUR JOB! NO MORE AND NO LESS!

Let us leave this writing separate and as we next sit we will continue on with *Biological Transmutations*.

## CHAPTER 9

REC #1 HATONN

WED., AUG. 30, 1995 7:29 A.M. YEAR 9, DAY 014

WED., AUG. 30, 1995

### A THOUGHT YOU SHOULD HAVE BEEN TAUGHT IN KINDERGARTEN BUT IS NOT!

*Be courteous to all but intimate with FEW, and let those few be well tried before you give them your confidence. True friendship is a plant of slow growth, and must undergo and withstand the shocks of adversity before it is entitled to the appellation. — George Washington*

### BIOLOGICAL TRANSMUTATIONS, PART 8 by Louis C. Kervran

English translation: Michel Abehsera

[QUOTING:]

## CHAPTER IX

### THE LINK OF MAGNESIUM WITH CALCIUM AND PHOSPHORUS

Until now it has been impossible to refute here the classical explanations popular among most scientists. This would have taken too much time and would have lent a polemical character to this work, diluting a substance which I wanted, above all, to be objective. Furthermore, I have always supposed that the reader knows as well as I the scholastic explanations, making it a waste of time to discuss them.

Many of my correspondents and colleagues have told me that it is unnecessary to discuss the arguments of “systematic opponents”. One of them wrote to me, “Expurgate your work of... stagnant opinions. Make a clean sweep of ignorance.” Nevertheless, I believe it will be beneficial to give the reader, in what follows, an example of objections he may confront from persons wishing to debate certain issues.

### VARIOUS STUDIES CONCERNING THE MAGNESIUM-CALCIUM LINK

We have seen that calcium could have had many origins, one of which is magnesium ( ${}_{12}\text{Mg} + {}_8\text{O} := {}_{20}\text{Ca}$ ). Geologists believe that magnesium was twelve times more abundant in the Pre-Cambrian era. We know that in sea water, strongly deficient in calcium but containing magnesium, a molting crustacean can



make its shell. We also know that in the germinating seeds of certain plants, magnesium diminishes while calcium increases. (In certain plants K decreases while Ca increases.)

The link between magnesium and calcium has now been widely studied by many research workers. In 1964, in one of the laboratories of the Institut National de la Recherche Agronomique (I.N.R.A.), P. Larvor and his colleagues conducted an experiment with calves in order to demonstrate that the skeleton does not develop at all when the diet is deficient in magnesium. The calcium rate in the blood and muscles becomes too low and tetany results. Eventually death occurs, preceded by convulsions, if the magnesium deficiency is prolonged. Conversely, an overdose of magnesium helps develop the skeleton and also promotes a rapid increase in weight.

A study of Dr. L. Bertrand on spasmophilia, comprising 83 references, shows that in cases of magnesium deficiency hypocalcemia occurs, causing tetany (spasmophilia). **The administration of calcium cannot re-establish the normal calcemia. On the other hand, a magnesium ingestion causes a calcium increase** (Magnesium is most often administered in the form of a chloride.).

It would be impossible to cite all the applications now being made of the established fact that without magnesium the organism cannot have calcium. I have also verified a link between calcium and phosphorus, and these discoveries are developed in many of my books.

The link with phosphorus hasn't been investigated a great deal by other research workers, however. Whatever was studied came to my knowledge only incidentally, during the magnesium-calcium study. However, despite the many experiments on the subject of the magnesium-calcium link, some critics nonetheless declared that what had happened was either:

- (a) a "mobilization" of calcium, causing it to leave the skeleton, thereby increasing the calcium rate in the muscles and blood, or
- (b) a "catalytic" action by magnesium (necessary for the "fixing" of calcium).

However, nothing of that sort occurs. Decalcification was not verified, by any means. The bone became more solid and developed in young subjects. A catalytic action by magnesium did not seem valid either, for a catalyst remains intact at the end of the reaction.

## EXPERIMENTAL PROCEDURE

### (a) *Animals*

Forty-eight female mice weighing an average of 25 g each were divided into two equal lots. One lot was put aside to serve as a control. The remaining lot was given, through an oesophagus probe, a dosage of 100 mg per kg of magnesium chloride per day. The animals were put in different cages—twelve to a cage. Their feces were collected in Erlenmeyer type bottles. Plenty of water was provided and food was given by cramming. Three times a day each animal received 1.5 ml of mash made of crackers reduced to a powder with water added (1 g of powder for 2.5 ml of water).

The experiment lasted five days. On the sixth day the animals were sacrificed with ether after a twenty-four hour fast.



(b) *Mineralization analysis*

Both batches of mice were dissolved in nitro-sulfuric acid. The collected excreta were added to each corresponding lot of mice. After mineralization with perchloric acid, the phosphorus content was determined by a colored reaction employing sulfuric aminonaphthol sulfonic-molybdate. The calcium was first measured by direct complexometry in raw solution.

(c) *Results*

<u>Control</u>	<u>Treated</u>	
Total weight before experiment	614 g	604 g
Total weight after experiment	628 g	620 g
Calcium weight		1.87 g
2.48 g		
Phosphorus weight	1.83 g	2.40 g

[See Fig 6 next page]

(d) *Commentary*

In order to facilitate the comparison, I have arranged that the total animal weight be equal for the total of each of the two lots, assuming that P and Ca are proportional to weight. The treated lot was 10 g lighter at the outset. If the difference is rounded off to the 1/60th and if the control mice weighed as much as the treated ones, we would have for the control lot:

$$\begin{aligned}\text{Ca} &= 1.84 \\ \text{P} &= 1.80\end{aligned}$$

Assuming an equal weight for the two lots, the receivers of magnesium saw an increase of:

$$\begin{aligned}2.48 - 1.84 &= 0.64 \text{ g (or 34.78\%)} \text{ for Ca} \\ 2.40 - 1.80 &= 0.60 \text{ g (or 33.3\%)} \text{ for P}\end{aligned}$$

(e) *Conclusion*

Hence we see clearly and beyond any mathematical or statistical contestation that calcium and phosphorus increase when magnesium is given in overdose, and that this occurs within a few days. If an error had resulted from the analytic method, it would have taken the same direction for the two lots and the difference would have remained the same. We can therefore assert beyond the shadow of a doubt that magnesium was the source of the rapid increase of calcium and phosphorus.

Let us recall that in the organism certain mechanisms often enter into play: calcium and phosphorus may have other origins. (Calcium may come from silicon and potassium, phosphorus from sulfur and

nitrogen.) Due to the metabolic complexities of the animal, complementary experiments were made on grains and microorganisms, the sole purpose being to clarify Nature's mechanisms.

The following objection, among others, was given to me: the weight increase in the animals receiving magnesium resulted from their being bloated with water. If that were the case it would follow that those receiving Mg would have been thirstier. Observation shows, however, that magnesium chloride does not cause thirst; one may take it regularly and still remain "as thin as a string". The  $Mg^{++}$  ion does not cause retention of water in the tissues; it is  $Na^+$  that provokes water retention at the level of the renal tube, hence the impression of thirst. That is why taking sodium chloride is not advisable in a case of edema.

To the objection that the experiment was rather short, it is easy to answer that an experiment's duration is proportional to the subject's speed of metabolism, thus to the subject's growth rate and weight increase. In the case of microorganisms, we have seen that an experiment may last 2 days; for mice, weighing an average of 25 g, we adapted our research to 6 days. Larvor experimented on calves weighing 50 kg before the experiment. With an overdose of Mg, they weighed 75 kg after 4 weeks. But with a magnesium deficiency they weighed only 65 kg.

**Ed. Note:** A few other experiments concerning the magnesium-calcium link will be given, with commentary, in the chapter on nutrition and medicine. I placed them thus because I felt that the latter chapter would attract the attention of the layman who, at this time, is drawn to subjects related to the improvement of his health.

## CHAPTER X

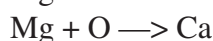
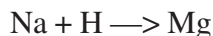
### PHOSPHORUS

Phosphorus is very often linked to sulphur; it is found in amino acids. A vital element of the highest importance, it not only has an important role in the bones, in gray matter, and in the envelopes of neurons, but it is in fact a constituent element of the nucleic acids.

In the chain of DNA molecules a phosphoric group alternates with a deoxyribose. Phosphorus is thus one of the constituents of deoxyribo-nucleic acid, which carries the hereditary genetic code.

It is also found in ribonucleic acid (RNA). Phosphorus and sulfur, which are major elements of life, are linked in the relation  $P + H \rightarrow S$ , which allows Nature to go from one to the other in case of a deficiency.

The reader will recall these previously shown relations:



These reactions explain the P/Ca equilibrium and the chemical combinations in the form of calcium phosphate occurring in the bones.

However, the organic phosphorus of nucleic acids seems also to derive from sulfur, which is a “condensate” or “doublet” of oxygen.

The phosphorus and sulfur link is brought out in the following remark by A. Voisin: “Giving mineral phosphate to the soil does not modify the phosphate content of a cereal, but increases its thiamin content” (Vitamin B1). (*Sol, Herbe, Cancer*, La Maison Reustique, Paris 1959)

The P/S balance shows why the organism cannot accept a local excess of P and explains the brutal effects of some phosphoric esters used as insecticides.

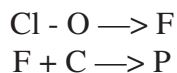
It is certain that Nature has other methods of producing phosphorus.

The layers of phosphates in ores are calcium phosphates. This is not astonishing since P and Ca have a common origin, but the fluorine content of the ores are also considerable ( $F/P_2O_5 = 9\%$ , on the average). It seems that the following reaction occurred:



The phosphorus “birth” was never explained; plants make it, and A. Demolon and A. Marquet say, “The essential characteristic of phosphorus is its fixation and its concentration in the superficial zone of cultivated soils, always noticeably richer underground.” (*Le Phosphore et la Vie*, P.U.F. edit. Paris, 1949.)

In the animal organism the fabrication of phosphorus may follow another process, deriving from the chlorine of the blood’s sodium chloride:



This is a possibility. However at this time we do not have, even from exceptional cases, a cross-reference confirming that this reaction is possible except in the presence of fluorine in phosphate lies. This fluorine possibility comes from sea water.

Phosphorus deficiencies impede plant development, preventing protein molecules from being formed. So, because the amino acids cannot be formed, phosphorus was believed to be linked to nitrogen. The establishing of this link rests upon the fact that the ratio of the total nitrogen in phosphorated fats (phosphatides) is constant in the different plants. In fact, there is no direct link. It is a phosphorus deficiency which impedes the formation of the amino molecules, also causing a reduction of the other elements. But it is also the sign of a deficiency in elements, causing the plant to make up for the deficient phosphorus.

The phosphorus-calcium link is commonly known. When much phosphorus is produced in an animal, much calcium is also produced.

Negative balance sheets of P and Ca are also cited by Demolon, who indicates that the weights of these elements given for dairy cows “are noticeably inferior to the quantities of these elements which leave

the animal's body with the milk" (*Le Phosphore et la Vie*, P.U.F. Pub., Paris 1949). (Approximately 3 g of P and 3 g of Ca for every liter of milk). But the cow has other needs for these elements in the maintenance of its body, and it excretes through the urine and fecal matter quantities which, together with what the milk takes away, exceed very significantly that which food brings to it. A declaration such as, "The cow borrows calcium and phosphorus from its own reserves," is unacceptable. One good dairy cow, weighing 700 kilos and giving 30 liters of milk a day, needs 111 g of P per day (3 g per liter of milk + 3 g per 100 kilos of weight). Another cow was given 98 g of P per day, which is a daily deficit of 13 g compared to that of the first cow. In 100 days it would have taken 1300 g of P, although its whole body (skeleton, flesh, blood) contained only 4500 g. It is obviously impossible to reduce the amount of phosphorus to such proportions. There is, then, an endogenous production of phosphorus (which is also true for calcium, and in the same relative proportions).

### APPLICATION FOR GEOLOGY

In some parts of my books references are cited pertaining to the simultaneous presence of Li and P (in plants, bones, ores). This is surely a case of fortuitous association.

If  $P - Li \rightarrow Mg$ , we have seen that Mg and P are precisely linked to such an extent that if the organism excretes more P than it receives, it also excretes more Mg than it ingests. The negative balance sheets of P always corresponded—with the same subjects, within the same time—to the negative balance sheets of Mg. The average on the observed negative balance sheets was 134 mg of phosphorus excreted per day per man. These balance sheets were calculated simultaneously with the negative balance sheets on calcium. The calcium represented 321 mg/day per man, whereas the negative balance sheets of magnesium averaged 163 mg for the same days.

The opposite is equally true: whenever there is a positive balance sheet for Mg, there is a positive balance sheet for P and Ca, showing not an association but a filiation. P is born from Mg, but only in the presence of Li which, in organisms of higher animals, comes from the sodium of the blood plasma ( $Na - O \rightarrow Li$ ).

P can also be formed in magnesium rocks by "frittage" of Mg, with Li coming from potassium ( $K - 2.0 \rightarrow Li$ ), thus indicating that phosphorus can be found in the soil without sea water being present.

But we also saw in the formation of the dolomies that Mg can derive from calcium ( $Ca - O \rightarrow Mg$ ). A lie of limestone influenced, I believe, by bacteria, can give Mg. If there are alkali (Na or K) present, there is a possibility of producing phosphorus which, along with calcium, can give calcium phosphate.

This is another method of forming calcium phosphates, and it is probable that the two types of lies (marine and continental) exist.

The phosphorus in lies is linked to the presence of bacteria. This seems to show that P has an endogenous formation due to a specific enzyme yet to be investigated.

This enzyme needs Mg, or at least it seems that Mg is the most abundant origin of P. Furthermore, the phytin in plants is a magnesium salt of a phosphoric ester.

Research is being done in many laboratories to clarify this formation of P. Here are those discoveries which were brought to my attention after I had published my discoveries.

- (a) In the germination of seeds there is P variation between the seed and the young plant having germinated without a P supply.
- (b) During the activity of yeasts the P content also changes.
- (c) A seaweed rich in calcium (where, for example,  $\text{Ca/Mg} = 6$ ) has been sown with bacteria in order to study the P genesis.

### PHOSPHORUS VARIATION IN THE GERMINATION OF SEEDS

The variations of organic forms during plant maturation is a solely chemical operation, a rearrangement of atoms and molecules. Y. Colin made a study on sunflower seeds during maturation. (Y. Colin, "Évolution des Composés Phosphoriques au Cours de la Germination", *Bulletin Soc. Chem. Biology*, 1934.) He saw some aspects of the phospho-organic compounds' variations in the seeds and in wheat germ. We will only expose the results of the total phosphorus variation during germination, which is a case of the transmutation of one element.

### METHODS OF DOSAGE:

There is no room here to condense the 84 pages of the Colin thesis, but it appears useful to make a rapid survey of the difficulties of such a problem. With a reaction which appears as the separation of a compound one runs the risk of blocking, in a totally insoluble form, another compound no longer able to be dosed. This is why research on the separation of various compounds has given birth to a different problem.

Phosphorus is found in the form of phosphoric esters, such as the phospho-lipids and the phospho-amino-lipids. In the phospho-lipids one finds lecithins and, most of all, the derivative of glycerophosphoric acid. Also present are the phosphoric esters of sugars such as monophosphoric ester, disphosphoric-hexose, mono-phosphoric-hexose, etc.

The phospho-lipids vary during germination. W. Maxwell, in 1891, may have been the first to put this into prospective. Others followed, using different seeds. In 1910 Miller verified that in sunflower seeds the lipidic reserves decrease from 55.6 to 13.5% after 13 days. In 1902 Iwanow found that in vetch the lipidic phosphorus, which is 11.6% of the total phosphorus present at the beginning of the germination, is only 6.6% after 20 days. The protein content falls from 52.5 to 13.7%.

In 1912 Bernadini and Morelli showed that during the germination of 500 seeds of wheat the phosphotidic phosphorus increased from 19 mg to 55 mg in the light, whereas it disappeared completely after a few days in the dark. (Ciolin, "Évolution des Composés Phosphoriques au Cours de la Germination".)

### EXPERIMENTS IN THE LIGHT:

In an experiment done in the Museum of Natural History greenhouses, half of the basins received light

and half were covered with black paper. The greenhouse temperature at the moment of maximal insolation was 30°C (in May). The rapidity of germination made possible the first harvest after two days, the second after three days, the third after six days, and the fourth after nine days.

Here are some figures, in mg, on sample gatherings consisting each time of 400 seeds of lentils which were germinated in the light: **[See chart top of next page.]**

Thus along with the variations in the different compounds of phosphorus, an important fact is established: the total phosphorus diminishes up to 5.43%. **[See fig. 8 next page.]**

Another experiment was conducted from the 23rd of June to the 4th of July (12 days). This time it was conducted on portions of 325 seeds of lentils, but on porous paper imbibed with doubly-distilled water. The average weight of every portion of lentils was 26.63 gr.

chart from text p-70

fig. 8

		<u>P Total</u>
June 23 (before germination)	112 mg	
June 27 (after 5 days)		111
June 30 (after 8 days)		110
July 4 (after 12 days)		105

There was a 6.25% decrease in phosphorus (experiment made in the light).

All experiments concerning the total phosphorus variation during germination converge and one must conclude, beyond any dispute, that there is a certain disappearance of phosphorus, varying with the particular species of seed, the germinating conditions, and the time of year—but always in a highly significant degree. No error can be imputed to these results since, whatever the methods, the laboratories that were employed had the most modern equipment, the operators were different, and the results always pointed in the same direction.

[END QUOTING OF PART 9]

Thank you and good morning.

## CHAPTER 10

REC #1 HATONN

THU., AUG. 31, 1995 7:45 A.M. YEAR 9, DAY 015

THU., AUG. 31, 1995

### LIFE HAPPENS

Unless you get your journey clear and destination focused—you are just a pivot upon which others can have some kind of a “home base”. If you are not affixed to anything of worthiness, then you won’t even be a pivot point but a haphazard energy flapping in the winds of whim and another’s direction. You must, indeed, be willing to try many, many things (not ALL—for some things need never be experienced to have a full and worthy life—those are dark and evil expressions). If, for instance, you find yourself uninterested, unable to find what you would classify as “success”—be daring enough to go forth and do something else. However, do it to the best of your ability and, if need be, STUDY SO THAT YOU CAN EXCEL. It is not unworthy to be unsuited for a given task which often came or comes by accident or coincidence—or even with intent, but is not “your” strong ability or capability. The unworthiness presents itself when there is refusal to accept the facts and failure to move on to that which IS better suited to your needs.

Unfortunately, most people simply do less and less of the work they have, complain, shortfall, blame others, and finally, just bitch about it while the endeavor falls to shambles. It is rare indeed if a man can find his mission and his talent before going through many “falls”. It is HOW you pick up yourself and move on that COUNTS! We each learn from our stumbles for we rarely note the accomplishment that comes slowly and is a part of life in normal environment. For instance, nobody notes much the steps following a baby’s first halting few steps and then only the proud parents are around to witness—no one else, save possibly the grandparents consider it wondrous at all. But, if you lose that ability later and brain/nerve damage is presented and the “adult” has to learn AGAIN to walk—it is certainly noted most attentively. You cannot, however, find another who will attend your need to walk—IF you can do it yourself. The same with jobs. You must find your talent and desires in honesty so that you can grow and branch from the taproot of the tree in order to blossom. Let us find our niche and grow. If there are children growing in your environment—the example must be set lest the children outgrow and become just the opposite in disposition of that which you CLAIM to desire. They will always become a reflection of YOU if not carefully guided for they know not another way to live.

Most of you want to become big and important spokes in great wheels—before you learn that you are unsuited for such and act as the cog in the wheel that ruins the hub, tire and tube. How think ye to be business managers and supervisors when you KNOW NOTHING of that which you do—save talk a big deal? Talk is a waste and if more than one does this kind of “big deal talking”—it is purely devastating—especially for the ones paying for your talk and everything you have. Respect is LOST **EVERY** TIME when this happens. You can get away with it ONCE, no more.

### TO BE A FRIEND



To be a friend a man must be sensitively responsive to the dreams and aims of others and should show sincere appreciation for the contributions others make to the environment of his life!

However, when you are awash in the sea of another's dreams you cannot birth and grow your own and that is not responsible behavior. Then, above all, when you think the world, God or man owes you something simply because you exist and "try" this or that—does not make it so. Beyond even that fact is the other fundamental fact of living—when you go in search of God and determine that GOD is NOT a person of another, even if that person is working for God, you will find GOD ONLY IN SELF AND THAT REQUIRES **TRUTH WITH SELF**. It is NOT, by the way, a part-time life-style.

I liken it to a second marriage where a man cannot break away from his first wife's shortcomings to allow the new wife her rightful expression. This is most often shown in that which PARENTS leave as legacy to children—wherein the parents' behaviors in negative perception—are rested on the offspring who then rebel at every sign of authority as confronted by life and living. If you can't grow beyond that limitation and rebel against all authority to "show your father", you will fail, and fail and fail again for the actions of rebellion are usually very subtle, hostile and sabotage becomes the hidden actions. Beware the man who agrees and then goes forth and destroys your property for this is the most bitter of all insecurity.

We always, in any environment, find these circumstances and therefore I suggest that persons feeling the shoes pinching—go to the "talkers" and "promisers" of great and wondrous gain and ask of them immediate position as offered. Let us then see who might have been the better "friend"! God does NOT give you that which you deserve not! Further, that which is gained in such assumption is usually bitter in the drinking from the cup. If you can't make it with "nothing", you cannot make it with "much" for more with which to blunder is NOT OF GOD. Please ponder it.

I have just dumped on Dharma some 15 volumes of text-books which range in title from *The Genetics of Bacteria and **Their Viruses*** to *Genetics of Sexuality in Higher Fungi*. We have thrown in *Sexuality and Genetics of Bacteria* along with *Cells and Organelles* and *Molecular Biology of Bacterial Viruses* and *Bacterio-phages*. I watch her be overwhelmed as realization of that which is now going to follow in our work bewilders her. Oh yes indeed, I get tears and, "I just can't do this, Sir." She can and she will! YOU HAVE TO KNOW WHAT IS HAPPENING TO YOU—POLITICS IS ONE THING—YOUR VERY DNA, GENETIC STRUCTURE IS MANDATORY OR YOU CAN NEVER LEARN WHAT YOU MUST LEARN TO GET BEYOND YOUR STATIC REFERENCE.

Why? ***Because the nit-wit politicians and One World Order plans to destroy the planet with the microbes they have conjured WHILE YOU DIDN'T KNOW WHAT THEY WERE TALKING ABOUT. WHO WOULD, IN THE MASSES OF POPULACE, EVER EVEN THINK TO BELIEVE THAT BACTERIA HAVE THEIR OWN VIRUSES!?*** Pay CLOSE attention to what is offered regarding the Gulf War Syndrome—these are the bullets they plan on using to kill you off—you useless eaters. The political guns are just what will keep you in control while they do it to you.

I am going to leave the political expressions to the other writers, editors and layout people of *CONTACT* for the most part. You don't need MY commentary—you have had seven years of lessons on seeing what is going on (go back and get the journals you have missed). You won't have to wait much longer for the "big one" in L.A., and I don't refer to earthquakes—try Furhman and O.J. The "BIG ONE" will be

coming right along also, so don't get comfortable in your ignorance—IGNORANCE WILL NOT SAVE YOUR ASSETS.

The other topics are in good hands and you have to know what makes you tick and how to protect yourselves and why. There are now microbes running around that can wipe out the entire population of the WORLD in one pandemic. Never mind “outer-space” people—these are from your own manufacture and become a very good reason why WE WON'T LET YOU OFF YOUR PRISON SPHERE. YOU HAVE DONE “IT” UP REAL BIG, FELLOW TRAVELERS, AND DEATH FROM THE DISEASES CAUSED BY THESE LITTLE CRITTERS IS HORRIBLE, SO DON'T BE IMPATIENT WITH US IN OUR OUTLAY JUST BECAUSE YOU HAVE BEEN BLIND AS DEEP-WATER SALAMANDERS. WE WILL MOVE ALONG AS QUICKLY AS POSSIBLE WHILE TRYING TO TOUCH THE HIGH POINTS—BUT WE KNOW YOU WILL NOT GO SEEK OUT THESE SUBJECTS FOR YOUR MORNING COFFEE BREAKS.

It is hard to believe that something more tiny than a mustard seed could wipe out a whole planet of living organisms, isn't it? Well, look at some of your other orbiting solar system planets. If you cannot find “life” on that which obviously once held life—what happened?? You now have cloned, manufactured, and specific-use bacteria from the genetic test-tubes which go forth and eat toxic wastes, oil spills and thus and so. Seems good? Yes, it might clean up the oil—but what happens when the little buggers run out of oil? The little critter now eating up your Gulf War Syndrome troops and families is a form of Ebola Zaire launched with cyanide-bearing spray-mist parasites which infect sand fleas, etc. Now you have a whole NEW bunch of troops headed for the same sand-piles. Are you nuts? Yes indeed.

Therefore, even if only one or two of you readers study this material (we will try to make it interesting), it will be worthy work by my secretary. There is no point in concerning over your soul in this run-through if the microbes or bullets take out your “house” and slay the body before the mind learns truth in order to guide the SOUL.

In all the work we shall present on microbes and cellular life—**REMEMBER THIS: THE CELLS BETWEEN YOUR EARS ARE THE CELLS WHICH MATTER!**

### BIOLOGICAL TRANSMUTATIONS, Part 10

by Louis C. Kervran

English translation: Michel Abehsera

[QUOTING:]

### CHAPTER XI

#### ABERRANT METABOLISM OF SOME LIVING ORGANISMS

(a) *Life sustained with clay: a shrimp living in the dark*

In a medium entirely composed of humid clay, life is possible. The humid clay is compact, thus air

cannot enter. This clay is impermeable to carbon and oxygen. Oxygen can, nonetheless, be produced by dissociation of the water molecule—and we understand how plants use the oxygen from water. The oxygen that plants reject into the air does not come from the absorbed air, of which the plants would have retained the carbon of the available carbon dioxide. Would the living organisms in the clay then be able to extract their oxygen? This question remains unanswered, but let us admit such a possibility.

Another problem remains to be solved: carbon is necessary to any organic life. Animal and vegetal tissues are composites of carbon. They develop by making new tissues, thus by taking carbon. Furthermore they breathe, ultimately rejecting carbon dioxide ( $\text{CO}_2$ ). This means that the carbon supply must be renewed because animals do not take back the carbon dioxide which they excrete—it is a poison for them. In clay, animals avoid these rejected gases by moving continually from one place to another. The rejected carbon dioxide, being at a pressure superior to that of the ambient gas, is little by little diffused. The carbon dioxide on the outside cannot enter because of the great pressure inside the clay.

It has been known for a long time that living organisms inhabit clay while having no organic supply from the outside. This fact has intrigued research workers and an important study was made in a laboratory installed in the cave of Moulis, France; the results were published in several French scientific magazines.

Let us note the case of the *Niphargus* shrimp, a small animal half-an-inch in length that lives in the clay of caves. If a shrimp is given organic matter (meat, etc.), it vegetates and dies. It also dies if it is not kept in humid clay. Experiments have shown that it grows normally in pure clay to which nothing has been added. Research workers therefore thought that the shrimp lived on clay and nothing but clay, an impossibility according to the laws of biochemistry. Actually, it cannot live thus in clay alone, but this clay contains microorganisms which work for the shrimp, making vitamins, various mineral products, nitrogen, phosphorus, and calcium, etc.

#### (b) *Earthworms*

The earthworms' role has long been ignored. They were thought to be good only for the mechanical function of making the soil lighter. Notwithstanding, some research workers have demonstrated that annelids modify the chemical composition of the earth.

In his *Treatise on Microbiology of the Soil* (Dumod Publ., Paris, 1958), Pochon, of the Institut Pasteur, gives various experimental results. The earthworms increase the quantity of limestone in the soil. Their glands excrete  $\text{CO}_3\text{Ca}$  so that the pH of soil containing earthworms increases. Earthworms are most abundant in neutral or slightly acidic soil and can be found in good soil by the hundreds of thousands per acre. Some authors declare that each worm ingests 1/10th of a gram of earth per second, which is three tons per year. Darwin gives a higher figure, but one should be careful with such calculations since earthworms have resting periods in winter and in dry seasons. Other believable figures, which resulted from observations made in England, indicate that a field of earthworms rejects an average of 57 tons/ha/year (23 tons per acre per year): the equivalent of four spreadings of farm manure per year. But this constitutes only the amount of earth rejected on the soil's surface. One cannot deduce from this the exact weight of earth having passed through the digestive tube of each worm. Compared to the surrounding soil, these rejected excrements were five times richer in nitrogen, two times richer in calcium, two-and-a-half times richer in magnesium, seven times richer in phosphorus, and eleven times richer in potassium.

(c) *To live on an iron wire.*

In one of my books I noted the curious case of plants commonly called “Spanish Moss” which grow in green masses, most often on copper wires. Their botanical name is *Tillandsia*. They are usually found in humid, warm regions on telephone wires. They adhere to the wire by means of viscous disks and can also cling to branches, dead trees, and rocks.

According to Pfeiffer, the analysis of these plants shows that they contain approximately 17%  $\text{Fe}_2\text{O}_3$  in their ashes but little noticeable amounts of copper, although the analysis was made on plants **growing on copper wires**. (*Fécondité de la Terre*, p. 152-156.)

These curious plants grow without roots; they have no contact with the soil. That is what intrigued everyone: where did they obtain the minerals revealed in the analysis? One may suppose that water, carbon, and nitrogen were obtained from the air, but what of the other minerals?

Everything that has been written about the origin of these minerals is but groundless assertion. It has been proposed that the rain brings them—in minute traces, of course—and that they accumulate with time. Others say that they come from dust. All this to respect the dogma of the non-creation of matter. But these hypotheses are unsatisfactory.

H. Fridel, in his work *Les Conquêtes de la Vie*, also writes about the plants: “I must confess that all my notions about the vegetals have been overthrown in Antibes in the Hennessey Garden, where I saw *Bromeliaceae* develop in the air on an iron wire... In order to adopt oneself to such a ‘territory’ one must really be a vegetal.” (Larousse, 1967, p. 128.)

What allows us to reject the above hypothesis is that these plants can acclimatize themselves in a greenhouse. In Alsace, France, successful experiments have been made on copper wires in greenhouses. The hypothesis given about atmospheric dust and rain is then of no value. In the greenhouses there was only air, sun, water vapor from the humidity of the air, and symbiosis with copper. No copper was found in the plant, but iron was found. No chlorine was in the air either, although there was some in the plant.

There are other examples, too numerous to list. Here is one that Pfeiffer cites: “The *Sarothamnus vulgaris* is quite an amazing plant. It is particularly rich in lime... moreover, its roots secrete lime which is deposited in circles on the bark, so much so that it is the plant which provides limestone for the soil. But the *Sarothamnus vulgaris* **grows almost exclusively in siliceous fields. That is why it is particularly appropriate for the preparation of fallow fields.**” (*Fécondité de la Terre*, p. 157).

## CHAPTER XII

### NITROGEN

**[H: Please attend this chapter most carefully for nitrogen and its derivatives are among the most important elements and the most aberrantly elusive as to breakdown—especially in growing soils as utilized by plants and then utilized by the body—which in no way even resemble each other in presentation of elemental product.]**

When I proposed that nitrogen could become carbon monoxide and commented on experiments demonstrating this, I was sometimes told that I had given a rather “audacious explanation”.

It would take too long to set forth all the reasons that led me to the identity  $2\text{N}_{14} \longrightarrow \text{C}_{12} + \text{O}_{16}$ . Such an undertaking would require a lengthy discourse citing all the inconsistencies in previous attempts at explaining the aberrant behavior of nitrogen in biology.

I shall therefore limit myself to a few brief examples of experiments showing the relations of nitrogen to other elements.

### ABERRANT METABOLISM OF NITROGEN

I shall cite a few examples, some of which have been borrowed from Terroine (*Métabolisme de l’Azote*, edit., P.U.F., Paris 1933), the author of three important volumes dealing with the metabolism of nitrogen.

The first volume contains a chapter entitled “Do Nitrogen Leakages Occur?” In addition to his own experiments, Terroine cites 51 articles by different authors.

#### (1) *Animals*

If a dog is given 15, then 30, and finally 45 g of nitrogen per day (measured according to the weight of ingested meat), its intestines reject 0.30, 0.55, and 0.67 g per day, respectively.

Hence, with increased ingestion there is a proportionally smaller excretion of N. Thus the amount of nitrogen present does not depend solely on the food regimen.

#### VERIFICATION

To confirm this, numerous experiments have been made. They are related by Terroine:

A small portion of an animal’s intestine was emptied and then ligatured. After a few days this part, which could not have received anything from the intestines, contained an amalgam of nitrogenous substances. There had thus been a nitrogen production on the inside wall of the intestine.

Persher gave a dog 2.33 g of nitrogen per day, but the dog excreted 3.70 g every day.

In the case of man, Seller decreased the ration of ingested nitrogen on each successive day. He began with 4.30 g, arriving after eight days at 3.67 g. But the quantity rejected in the stools changed only from 5.75 on the first day to 5.04 on the eighth day.

“The rejection is always superior to the ingestion,” says Terroine, adding, “but there is more. The examination of the above data not only proves that there is a persistent nitrogen loss but also that there is a quantitative constant of this loss.” He concludes that there is certainly an “endogenous metabolism of nitrogen”. (Terroine, *Metabolisme de l’Azote*, Edit. P.U.F., Paris, 1933.)

## OTHER EXAMPLES

A man given 0.3 g of nitrogen per day rejects, through his intestines, an average of 0.5 g. A pig ingests 0.2 g/day and rejects 0.3 g through the intestines. A man who has been fasting for ten days still rejects 0.3 g of nitrogen through his intestines.

### DISAPPEARANCE OF INGESTED NITROGEN

With normal regimen the endogenous production of nitrogen does not show up in the balance sheets since the latter are always positive (i.e., one ingests more nitrogen than one excretes). This factor has made the balance sheet figures suspect, for classical science has found it impossible to discover where the excess goes; obviously there is not a lifelong accumulation! There are unrevealed “leakages” of nitrogen and, despite thousands of experiments made by many scientists, this has remained unexplained.

## A FEW EXAMPLES

The following experiment was made with a group of rats. It was established that each rat contained 5.96 g of nitrogen. The group of rats was put on a fast of quite long duration. Every day their fecal matter and urine were collected. (A rat does not perspire, thus there is no elimination from the skin pores.)

The animals were sacrificed in order to measure the total nitrogen of their bodies; the excretions were then added. The total N weight remained 0.55 g less per animal than the nitrogen weight present at the beginning of the experiment. The rats had lost an average of 10% each; (one of them even lost 55%).

A rat was enclosed for two months in a sealed tube containing air and a chlorella culture; nonetheless the atmosphere's nitrogen content diminished a great deal, a phenomenon which is incomprehensible according to classical chemistry. The oxygen increased. In this case, the nitrogen had been used in the form of  $C + O$ .

### ENDOGENOUS PRODUCTION OF NITROGEN

We have seen that the greater the amount of ingested nitrogen, the less the proportion rejected by the fecal channel. This shows that nitrogen disappears through the digestive channels.

Conversely, if food becomes deficient in nitrogen, the intestines' endogenous production of nitrogen increases as if by a defense reaction on the part of the organism. Hence intestinal action vitally needs carbohydrates. The body grows thin due to the disappearance of carbohydrates which have been transformed into excreted nitrogen.

Let us totally suppress nitrogen ingestion by administering carbohydrates absolutely devoid of nitrogen—sugar, for example:

(a) A dog put on a fast excretes 2 g of nitrogen per day. When given 85 g of sugar, he excretes only 1 g of nitrogen per day. After a few days he is given 120 g of sugar per day; he then excretes only 0.5 g of nitrogen.



(b) A man put on a complete fast rejects a total of 11.9 g of nitrogen per day (of which 1/5 to 1/10 is eliminated through fecal channels). When he is given sugar he excretes only 6.3 g of nitrogen per day. From this we learn that the organism does not have to take carbohydrates from the reserves of its tissues if its intestines supply what it needs in order to make nitrogen. No longer “hungry for nitrogen”, it produces it in smaller quantities (providing only what it needs for local functions). **[H: Are you beginning to get just a little bit of a CLUE as to obesity?]** These smaller quantities do not create a strong need for carbohydrates.

(c) If this reasoning is correct, an animal receiving a small amount of nitrogen would then produce a lot of it! In fact carnivorous animals, which receive much nitrogen, do not produce it and excrete very little of it. What they ingest disappears for the most part in their organisms, being utilized for their nourishment, contributing to weight gain, i.e., enabling them to produce carbohydrates. The balance sheets here are positive: one no longer finds nitrogen in its own form.

Conversely, herbivorous animals, whose nourishment contains a small amount of nitrogenous substances, are great producers of nitrogen: a two-year-old ox (herbivorous) excretes 13 times as much nitrogen as a man (omnivorous) of equal weight.

### AGENTS OF TRANSMUTATION

By which means do the intestines create what is called “nitrification” and “denitrification” (words which in reality ill-define transmutation)?

**We know that the bacteria of the intestinal flora are the agents. It is false, however, to say that all bacteria remove nitrogen and, when nitrogen is lacking, use the nitrogen in the air.** (This hypothesis has been given by a few authors who neglected to measure the quantity of air in the intestine and its speed of renewal.)

If this endogenous production of nitrogen were derived from the air and were fixed organically in the molecules of the fecal matter, the process would occur regardless of the nitrogen content in the food. However, we have seen how the endogenous production of nitrogen is linked to carbohydrates and is not directly dependent on nitrogen ingestion.

Bacteria are the agents of the transmutations of nitrogen into carbon and oxygen at the level of the intestinal wall. Other bacteria are responsible for the opposite reactions.

**[H: This must be a concern when you start antibiotic therapy for a sick person. If the intestinal flora is not replaced rapidly the body has a far different set of problems and this is almost always overlooked by physicians. The antibiotic nature of, say, silver and gold colloids usually does not have impact to any great extent on this flora and fauna because the microbes are resonating at the same frequency as the body itself, while the invading microbes, causing illness, are not. I suggest always replenishing the body, however, after a heavy program of colloids for there is no reason not to do so.]**

### *(2) Plants*



Many books have been written about nitrogen. One of them, *Respiration and Nitrogenous Metabolism* by A. Moyse, is devoted to the leaf and cites a great number of references. Here, too, remarks are cited showing that the relation between carbohydrates and nitrogen has long been perceived:

Borodin (1876-1878) estimates that “there is a decomposition and a continual regeneration of proteins,” a statement which was to be confirmed by Gregory and Sen in 1937. **[H: I hope that you are beginning to see that truth in information was available long, long ago—even centuries ago, but seems to have grown little since. No, the Elite Controllers have continued to learn and tamper and utilize—it is only you-the-people who do not KNOW. The information is used to strip you of health, MONEY, and ability to THINK. How do you think the diet industry (weight loss or gain) would fare if you just followed good nutrition—even to the extent of satisfying the “cravings” which are in the mind because the body is crying out for something to satisfy its needs—and rarely do you recognize what that might be. You are truly people who have become part of the LIE.]**

Among the most interesting and memorable experiments Moyse cites are those related to the stems of detached leaves which have been placed in the dark in a controlled medium. For some time, these stems continue to live. However, after four days a decline is noticeable. The decline accelerates after the sixth day; in such cases death usually occurs after ten days.

In summarizing the results of a few experiments made by Moyse on the stems of wheat, buckwheat and sorrel leaves, we have the following data:

- total nitrogen (solely organic) before the operation: 13.64 mg
- total nitrogen at death: 22.8 mg, in the form of mineral nitrogen ( $\text{NH}_3$ ).

Thus when death occurred there had been a 70% increase in nitrogen. This increase could not have resulted from a passage of organic nitrogen to mineral nitrogen. Furthermore, 82 mg of carbon disappeared. (The conditions of the experiment do not allow us to determine where the carbon went, but it is clear that nitrogen was produced.)

Moyse points out another phenomenon concerning the nitrogen increase: “The direct origin by liberation of the pre-existing amides in the proteins and the indirect origin by conversion of the aspartic acid are not sufficient to explain this increase.”

It can be understood, according to the preceding experiments, how manure may be a great source of ammoniac. There is not only a loss of protenic nitrogen but an endogenous formation of  $\text{NH}_3$  from the carbohydrates of straw and cellulose.

Zaleski (1897) remarked that “leaves can form proteins even in darkness, and proteogenesis requires only the presence of high quantities of soluble carbohydrates.” Light facilitates proteogenesis, not only because of carbohydrate enrichment by photosynthesis, but also because photosynthesis is accompanied by  $\text{O}_2$  at the level of the protoplasts. Darkness favors loss of protein because it causes the  $\text{O}_2$  pressure to diminish.

When exposed to light the leaf rejects oxygen by chlorophyllian action. The oxygen pressure is thus stronger in the leaf than in the air, and that is why the oxygen leaves. In the dark it is the opposite: the leaf absorbs oxygen; there is only respiration.

This interaction with oxygen is also observed in the fact that proteins are formed in young and growing tissues which are rich in oxygen. Hence the N content varies from the roots to the leaves, according to season and amount of light.

**[H: Do you possibly begin to realize that, in water which finally purifies itself through soil and light, you are not JUST killing off the “bad guys” but you are allowing the birthing and growing process of DRIAS which will, in turn, clean up everything if given time and support. As you finally overwhelmed them and did everything to kill them out—they left your place, and hence your bad position and total inability to regain good immune systems. You have been overwhelmed without resources for nurturing selves properly.]**

It seems useful to insert at the end of this chapter a few more clarifications concerning the mysterious accidents by oxycarbonaemia. This subject was treated previously in the chapter “*Aberrant Observations*”, but was not dealt with completely.

### TRANSMUTATIONS OF $N_2$ AND OXICARBONAEMIA WITHOUT RESPIRATION OF CARBON MONOXIDE

#### *(3) Recapitulation of experiment*

In 1955 mortal accidents occurred in Paris due to carbon monoxide poisoning. Official laboratories made a systematic study on 42 welders from different factories. The investigation, which lasted four years, confirmed that oxycarbonaemia always struck this type of worker.

The CO analysis was made by different methods. Here are some results in  $\text{cm}^3$  of CO per liter of blood. Please recall that the safety limit is  $4 \text{ cm}^3/\text{l}$ , that oxycarbonaemia is obvious at  $10 \text{ cm}^3/\text{l}$ , and that the danger point is  $15 \text{ cm}^3/\text{l}$ .

#### *Factory I*

A worker with  $19 \text{ cm}^3/\text{l}$ .

#### *Factory II*

Worker A =  $15 \text{ cm}^3/\text{l}$

Worker B =  $9 \text{ cm}^3/\text{l}$

Worker C =  $6 \text{ cm}^3/\text{l}$

#### *Factory III*

Worker K =  $14 \text{ cm}^3/\text{l}$

Worker N = 12 cm<sup>3</sup>/l

Worker P = 14 cm<sup>3</sup>/l

Worker R = 15 cm<sup>3</sup>/l

#### *Factory IV*

Worker D = 14 cm<sup>3</sup>/l

Worker E = 11 cm<sup>3</sup>/l

Worker F = 14 cm<sup>3</sup>/l

#### *Factory V*

Worker G = 13 cm<sup>3</sup>/l

Worker H = 14 cm<sup>3</sup>/l

Worker L = 12 cm<sup>3</sup>/l

Worker M = 9 cm<sup>3</sup>/l

Worker S = 10 cm<sup>3</sup>/l

Worker T = 11 cm<sup>3</sup>/l

Worker U = 7 cm<sup>3</sup>/l

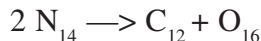
Worker Y = 4 cm<sup>3</sup>/l

Worker Y of Factory V was a manufacturer of sheet-iron working a few yards away from the solderers and oxycutters. Therefore he did not inhale the air which came in contact with the incandescent sheets.

This factor indirectly confirmed that only the air which had passed over the incandescent iron was causing the endogenous production of carbon monoxide.

The possible explanations of this phenomenon are numerous, I know, but none of the classical explanations proposed has been verified (e.g., by air pressure, oxygen pressure, etc.)

I immediately suggested that here was a new aspect of nitrogen metabolism. There is oxygen in CO and also in air. However, in the former there is C and in the latter there is N<sub>2</sub>. My supposition was that an unknown biological mechanism at the level of the red blood cell modifies the nitrogen at the level of the atom's nucleus, so that a group of two nuclei of nitrogen molecules modifies the internal condition of the nucleons. (The nitrogen of the air becomes metastable by licking the incandescent iron, but it remains nitrogen; that is why it was impossible for the chemist to find carbon monoxide in the inhaled air.) I wrote:



#### OTHER OBSERVATIONS REGARDING THE LINK BETWEEN NITROGEN AND CARBON-PLUS-OXYGEN

The N<sub>2</sub> and CO link was verified long ago. The reader will recall that these two have noticeably the same molecular mass and a few common physico-chemical characteristics.

In the reactions I have observed, the nitrogen has been in the molecular form  $N_2$  and the oxygen in atomic form, although there is always  $O_2$  *in vitro*.

It is very interesting to compare these results with the observations made by artificial satellites. Oxygen ( $O_2$ ) dissociates rapidly under low energy (ultra-violet) radiations. In the thermosphere at an altitude of 120 km,  $N_2$  is four times more abundant than  $O_2$ . At 300 km 99.5% of the  $O_2$  is dissociated into atomic oxygen, whereas the nitrogen (N) at this altitude is only dissociated at 1 to 2% as compared to  $N_2$ . The dissociation is total only at an altitude of 1000 km, where the ionizing actions are considerable. (Above 1,000 km there is helium and above 2500 km there is hydrogen.)

In other works I have shown that the energies situated in the ultra-violet (which is of medium energy) cause the nuclidobiological displacement of oxygen. **Plant and animal enzymes thus emit an energy equivalent to that of a PHOTON associated with ultra-violet. This would explain why in nuclido-biological reactions oxygen is never in the form of  $O_2$  but is always in the form of O, whereas there are no nuclido-biological reactions with N, but only with  $N_2$ .** (This is at least true in everything I have observed thus far.)

Of course, not everyone immediately agreed with my conception of the phenomenon of transmutation. **[H: And, it will be fewer yet, now.]** M. Loeper, a French specialist very well known for his studies on pathological cases concerning the endogenous production of carbon monoxide, thought that a pressure reduction at the level of the air cell (pulmonary alveolus) was the cause of bad oxidation in the blood, thus causing the production of CO instead of  $CO_2$ . Loeper's position of authority did not prevent Professor Desoille from concluding in *Archives of Professional Diseases* (July-August 1963) that there is "no correlation whatsoever between the partial pressure of oxygen and the carbon monoxide in the blood".

Thus it was once again confirmed that the pressure of carbon monoxide in the blood is not due to the presence of oxygen.

[END QUOTING OF PART 10]

I have to remind you over and over again—the “big boys” KNOW all this and incorporate it into their PLAN which does not include YOU. You can be as healthy as you wish to be but you have to know a bit of what is taking place within your own machine. I can't help it—it IS connected to your brain, mind and SOUL. I realize as I watch the absolutely stupid things taking place as simply regards “weight”, pro or con. You are in lack of ANY UNDERSTANDING how you function and do all the wrong things to INSURE YOU STAY OVERWEIGHT, as an example of the foolishness. But doing it “right” would not sell and resell and oversell and redo and resell and oversell again and again the very things which INSURE you regain and stay overweight. This is only one example of the miserable lies. You are set forth to DELIBERATELY deprive, overindulge and cause malfunction of your most important organs—such as insulin failure in diabetes. This is an UNNECESSARY AILMENT IN ALL INSTANCES. Get rid of your parasites and parasite carriers, get some nutrition going—and you will cure every dis-ease known to man. But you WON'T DO IT! Moreover, you will complain about all this technical information when you just want to know how many trees to hug (instead of eat) to ascend properly. To where? You can't even live in your own environment—how expect ye to make it in some other dimension?

Salu.

## CHAPTER 11

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THU., AUG. 31, 1995

### BIOLOGICAL TRANSMUTATIONS, PART 11

by Louis C. Kervran

English translation: Michel Abrehsera

[QUOTING:]

## CHAPTER XII

### SULFUR

Sulfur appears as a “fritting” of two nuclei of oxygen. The most abundant form of sulfur is  $O_{16} + O_{16} \longrightarrow S_{32}$ ).

Let us remember that the  $O_2 \longrightarrow S$  relation explains the very corrosive role of sulfur at high temperatures. It is the equivalent of a strong oxidation. Sulfur and oxygen are two chemical aspects of the same nuclear origin, so that when there is—at least in biology—strong oxidation in the young and active cell, there is a concentration of oxygen. This explains the presence of sulfur in the fast biological reactions of oxidative-reduction (appearance and disappearance of O). It will be necessary to ascertain whether this fact can be applied for the detection of cancer. (It is the same for the increase of K, which results from  $O: Na + O \longrightarrow K$ , and has been detected in cancerous tissue.

The biological sulfur ( $O_2$ ) enters into the constitution of the essential amino acids. There is from 0.3 to 2.4% S in proteins. This is also the case in the egg's development process. This biological sulfur becomes mineral sulfur when it combines with H, as when an egg dies or rots.

In cellular metabolism five sulfured coenzymes have been identified. Sulfur is the element of transition. Four of these co-enzymes come into play in the metabolism of carbohydrates, lipids, and proteins.

Sulfur ( $O_2$ ) is an element as vital as nitrogen ( $C + O$ ), fabricated by plants as well as by some living organisms. The latter has been experimentally proven in the case of plants and can be easily confirmed for animal cells, for example in the hen egg.

The identity  $O_2 \longrightarrow S$  can also be verified in mineral chemistry: everyone knows that metals burn not only in sulfur vapors but in oxygen as well. The same is true of carbon. (There is thus  $CS_2$  with S and  $CO_2$  with O.)

Besides discussing the “production” of sulfur by certain plants (watercress, cabbage, etc.) and some mushrooms, we should note some facts concerning the production of mineral sulfur.

When water is spilled on incandescent charcoal, one “smells sulfur”. Although it is said to be a chemical reaction that provokes the release of the sulfur contained in the charcoal, it can be a condensation of oxygen.

When lightning strikes close by, one also smells sulfur. Scientists know that electric discharge can give ozone ( $O_3$ ), but doesn't it also produce  $SO_2$ ?

The gas of Lacq, France, contains 18% sulfured hydrogen which must be purified, thereby losing all its  $H_2S$ . It then goes through a dryer, after which it is again found to contain some sulfured hydrogen—as if sulfur had been produced in the dryer. This fact has remained unexplained.

According to my thinking, here is what happens (hypothesis to be verified): the gas is heated in order to dry it; the water dissociates in part into  $H_2$  and  $O$ . There is thus a possibility of “frittage” ( $O_2 \rightarrow S$ , which is found in the presence of  $4H$ ), hence the possibility of a chemical combination  $H_2S$  which liberates  $2H$ . However,  $S$  is produced, just as when water is spilled on incandescent charcoal.

Sulfur is found in glutathione, in the  $B_1$  vitamins, etc. It is often accompanied by phosphorus, for the organism transforms one to the other. This phenomenon will lead to the revision of many pharmaceutical products, since sulfur enters into the composition of many organic products such as sulfamides, penicillin, etc.

In mineralogy, the composition of metals includes sulfur or oxygen ( $O_2 \rightarrow S$ ). Lead, zinc, copper, and mercury are most often formed by sulfurs in the Earth's depths (by pressure?) and oxides on the Earth's surface. Likewise iron, calcium, etc., often have  $S$  or  $O$  compositions.

There are many cross-references which show that the probable origin of sulfur is oxygen, that it is a “condensate” of two atoms of oxygen, and that in nuclei acids the biological reaction is  $O + O \rightarrow S$ .

In previous books I have cited an experiment consisting of the production of sulfur with thiobacilli. For this effect the inside of a test tube is rubbed with a wadding soaked in sodium-thiosulfate. The quantity of sulfur thus deposited is insignificant. The thiobacilli and an appropriate nutritive solution containing no sulfur are then put into the tube. The thiobacilli proliferate and produce sulfur in quantities considerably higher than those which carpeted the tube's inside walls at the beginning of the experiment. Thus, the result is not a concentration but a creation.

The test tube (Erlenmayer type) is isolated by a cotton cork which works as a filter. (The air always contains some  $SO_2$ , but the quantity is too small to be able to start a culture; that is why this thio-sulfate [hyposulfite] of sodium is added.) The aerobic development of the thiobacilli shows that the latter need the oxygen of the air.  $O$  is their “raw material” for “producing”  $S$ .

However, this example shows that it is not always advisable to start with chemically pure products purged of sulfur in an atmosphere without sulfur. It is untrue to say that the experiment will be conclusive

only if there is no sulfur in the beginning of the operation; such an experiment—in this special case—would be likely to fail. It is most important to know the sulfur weight at the beginning and end of the operation. The difference between them reveals the endogenous production by transmutation.

## CHAPTER XIV

### CHLORINE

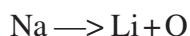
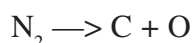
Chlorine probably had numerous origins.

Plants seem to be able to produce it. Branfield (Branfield, *Continuous Creation*, Routledge & Kegan Paul Publ. London, 1950) gives a quantitative analysis of the ashes of some plants and remarks that chloride is found in rushes, water lilies, sphagnum moss, rye-grass and nettles, growing where there is only fresh water.

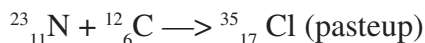
**Chlorine is a vital element of great importance.** If life originally sprang from the sea—where the salts are essentially chlorides—if our blood plasma is essentially a liquid salted with sodium chloride, there is a reason. Why is it not salted with sulfates, carbonates, nitrates, etc.; why chlorine?

The chlorine content in an organism seems to be constant. There are approximately 9 g/l of NaCl in the plasma. (Fish have organs which are able to eliminate the sodium chloride excess; the water contained in their flesh is only salted at approximately 9-10 g/l). This suggests that life began in water having the same initial content of NaCl, thereby making Na and Cl vital elements. There could not possibly be life without the proper proportions of these two elements. **[H: Well, at least not on EARTH in this third dimension of human and life-forms created for the setting. That will be a later topic which I don't want to cover without more fundamentals of basic construction information.]**

If the chlorine content varies only to a limited extent, it is because chlorine is a regulator and a reversible element. It may appear from nuclide-biological reactions, thus remaining constant and independent from exterior sources. Let us recall a few reactions:



An organism contains Na and C, and



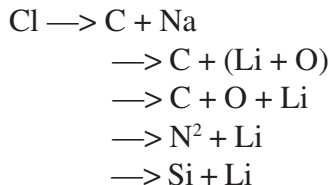
The relation between Na and Cl is obvious. Hence an organism has elements enabling it to produce Cl endogenously.

Oxygen with interplanetary lithium originally produced sodium. It is possible that sodium and chlorine could have appeared at that time.

Nitrogen, which is activated in various ways, produced oxygen and carbon.

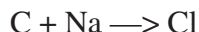
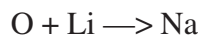
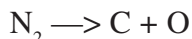


Let us point out that the reactions cited above are isomers of the following ones:



Nitrogen could thus have given silicon, and the latter combined with Li produced Cl.

Or, still another representation of the same reaction:

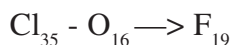


proving that Na and Cl could have originated simultaneously from  $\text{N}_2$  with one atom of Na for one of Cl. Hence, no compound other than NaCl is possible by way of transmutation.

It seems that potassium can only be a subsequent creation (as is the case in an organism). If  $\text{K} \longrightarrow \text{Li} + 2\text{O}$ , then K ought to have been produced in two phases. It derives from  $\text{Na} + \text{O}$  (as in the organism), i.e., from  $(\text{Li} + \text{O}) + \text{O}$ . But if sodium chloride is present, one must expect an oxydo-nucleonic addition giving NaCl with KCl.

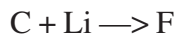
Of course, if Na can take O it can also take H. In NaCl solutions potassium chloride will be formed at the same time as  $(\text{Na} + \text{H}) \longrightarrow \text{Mg}$ . Such is the case with the potash lies of the Stassfurt type, which are found also in Alsace, France.

We cannot reject the possibility that fluorine is linked to chlorine. We have:



or we can have the opposite.

From the reactions  $\text{N}_2 \longrightarrow \text{C} + \text{O}$  and  $\text{Na} \longrightarrow \text{Li} + \text{O}$ , one may conclude that C and Li, produced by nitrogen and sodium, give:



Since oxygen is available, one has  $\text{F} + \text{O} \longrightarrow \text{Cl}$ .

Furthermore,  $\text{F} + \text{C} \longrightarrow \text{P}$ , so that a phosphorus production occurs. The elements P and F are often together (in bones, ores).

It is easy to see that the whole system of Nature is maintained by a constant balance of a few elements.

I shall point out many hypotheses accompanied by cross-references. For the time being they are only open roads for a more complete study.

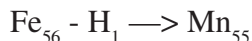
## CHAPTER XV

### MANGANESE AND IRON

The manganese-iron link was verified long ago by agronomists. Plants require specific bacteria for absorption of manganese and iron. However, curious phenomena have appeared to researchers: a manganese excess produces the same effects as a lack of iron. In other words, an excess of manganese impedes the assimilation of iron, and vice versa. Many of these researchers have recently been pointing out a source of protons in these phenomena. But they could not discover the process which developed these protons.

Besides these phenomena, which agronomists have been studying for fifty years, a study is now being conducted on the use of the above-mentioned bacteria to enrich manganese ores.

Another fact attracted my attention: manganese formations on some cave walls and on the temples of Banteay Srei in Cambodia are struck with a "black disease". The surface of these stones becomes black and this black layer is 5% Mn, although there is only 0.05% Mn in the stone. This increase in Mn did not seem to be due to a simple migration, since the total manganese contained in the outer layer was greater than that which the entire stone could contain. In my first book (1960) I had already foreseen the possibility that iron and manganese are separated by ONLY A PROTON.



I asked the conservator of the monuments to find out if there were iron in the stones. An analysis of the pink sandstone revealed 5 to 15% iron, depending on the stone's origin.

It then had to be ascertained that it was iron which had become manganese. Microorganisms (actinomycetes and bacteria) were set apart and a culture on ferrous sulfate was started in a laboratory. Manganese was produced.

In 1963 after ten years of research Professor Pierre Baranger (chief of the laboratory of organic chemistry at l'Ecole Polytechnique in Paris) verified that during germination manganese had disappeared while an equal amount of iron appeared.

Professor Baranger made the following verification: in leguminous seeds germinating in a soluble manganese salt added to water, a great part of the manganese disappears while an equal amount of iron appears. The manganese that disappears represents 25 times the manganese weight of the seed. Thus Nature works wonders; it works with a coefficient of security so that if the seeds do not find good conditions for germination they have enough vigor in their diastases to germinate anyway.

The Mn content in seeds is variable according to the seed's species. In the buckwheat seed there are 30 mg of Mn per kg of fresh matter and in a 45% sifted flour there are 7.5 mg/kg.

Manganese is found in the blood and in all the tissues; it is a “giver” of oxygen. Its important role in biology, however, is based on the fact that the peripheral electrons of the N layer are weakly joined, largely because the sub-layer “d” of layer M is incomplete. Therefore there are many valences and a facility in passing from one oxide to another.

Manganese is used often by doctors who have found that a manganese deficiency causes some types of allergies. (It has been verified with the spectroscope that in 50% of all allergies the plasma has suffered a loss of Mn.) A prescription of 5 mg of Mn, taken twice a week for ten weeks, can cure asthma, hay fever, and other intolerances.

Agronomists also widely use Mn to get rid of the bad effects of sea salt in the soil. (50 kg per 2-1/2 acres make sowable dried-up fields which have been reclaimed from the sea.)

The biological role of manganese is certainly important in man and animal, but it has not been studied enough. Its role is best known in plants. Some plants cannot, at a certain stage of their development, “fabricate” the necessary manganese and therefore must find it in the soil. This manganese will not become assimilable until the manganic bacteria proliferate.

The presence of Mn has been observed in some enzymes. There is a certain oxidizing enzyme in the lacquer tree which fixes the oxygen on a latex alcohol. But this catalytic action of the enzyme is linked to the presence of Mn. If Mn is missing, there is a total inhibition of the enzyme. The absence of Mn, however, does not indicate a deficiency of this element. The deficiency originates most of the time from the difficulty the roots have in assimilating Mn when the soil has an overly alkaline pH.

Some plants are able to produce the missing manganese, while others (oats, etc.) are not. The same is true of animals at certain periods: a small reduction of Mn in the diet of female rats causes them to stop nursing. Male rats become sterile.

The human organism seems to contain enzymes which allow iron to change into manganese and vice versa. A manganese deficiency comes from a pathological problem in the production of a specific enzyme. When this is the case, an organic manganese supplement becomes “necessary”.

Iron is a vital element which is indispensable to animals and plants. It has been established that iron is also linked to the process of photosynthesis.

Nature “chose” manganese to constitute the stock—normally oxidized and stable—which is the purveyor of oxygen and metabolizes the ferrous ion. (It seems that “the enzymes called oxydases owe their property of fixing oxygen to their ever-present manganese,” wrote G. Bertrand.)

It is from such a reaction that Life borrows the necessary iron. One can understand now why variations of Mn content do not have much effect on a healthy person. It is not as Mn that manganese comes into play in chemical reactions. Rather, this happens after it has been transformed into iron. The organism is sensitive to variations of Fe, not of Mn!

Iron is present almost everywhere. Even in “pure clay” (kaolin) there is 2% iron oxide. In other clays there is 10 to 20%, and in bauxite 30%.

There is no need to look for iron’s origin in the center of our planet; it is a “surface formation” at the level of the Earth’s crust, even in the case of the so-called “deep lies”.

Lies found deep in the ground can be carbonates. How can this be explained? There is neither  $\text{CO}_2$  from the air nor  $\text{CO}_2$  brought by water. One can see from the reaction I observed what the process is: the silicon of the primary rocks can, with Li, give Fe. But other nuclei of Si, when under pressure, can become  $\text{C} + \text{O}$ . Hence we have the chemical elements for the formation of the carbonates.

The oxygen in turn can give  $\text{O} + \text{O} \rightarrow \text{S}$ , under conditions of pressure, so that there are sulfurs (pyrites) in the depths but oxides on the surface.

“On the surface, and often at a certain depth, superficial alterations have transformed the carbonate into a pure hematite, a formation difficult to explain since a mere ordinary and superficial alteration should give limonite and hematite,” says F. Blondel (*Cronique des Mines Coloniales*, Sept. 1955). He goes on to say, “The hematite production on the surface is not well-clarified.”

However, we have seen that there is oxide on the surface, due to an endogenous production of oxygen. (Oxygen can also be liberated from potassium (K) to give lithium (Li))

At the level of the nucleon an abundance of Si, along with a situation of stable saturation produced by 4.Li, results in an abundance of Fe.

There is 91.64%  $\text{Fe}_{56}$  and 5.81%  $\text{Fe}_{54}$ , since around  $\text{Si}_{30}$  there is 4.Li<sub>6</sub> instead of 4.Li<sub>7</sub>. The 2.21% of  $\text{Fe}_{57}$  comes from 4.Li<sub>7</sub> with  $\text{Si}_{29}$ , whereas 0.34% of  $\text{Fe}_{58}$  comes from  $\text{Si}_{30}$ .

Manganese, which has an odd number of protons, cannot have an odd number of neutrons. There will then be an odd-even number of protons by at least five units. (This is also the number of neutrons plus protons in the preceding element, vanadium.) The minimum then is 30 neutrons, which give 15 nucleons.

The following odd number is copper.  $\text{Cu}_{63}$  has five more neutrons than protons. Manganese thus cannot have any more or less than five neutrons in conjunction with the number of its protons. That is why there is no isotope: there is 100%  $\text{Mn}_{55}$ .

From this fact it is clear that only the isotope 56 of iron can give Mn by losing one proton.

### MANGANESE AND BACTERIA

For many years it appeared that the presence of manganese was linked to the presence of microorganisms. Many studies have been made to this effect, but here again research has been interpreted according to a classical chemical reaction. The same phenomenon can be explained by biological transmutations: the bacterium takes H from Fe in a medium poor in ions of hydrogen (high pH—basic). There is thus an increase of Mn. On the other hand, if there are too many H ions (low pH—acid medium) the bacterium,

in order to re-establish the equilibrium, takes H; Mn disappears, becoming Fe. Precise research had never been done to determine the source of Mn which was “fixed” by the bacteria, nor where the “restituted” Mn went!

If Mn is “restituted”, this seemingly means (in terms of classical chemistry) that the solution gets richer in Mn to the detriment of the bacteria. A systematic study of the influence of pH must be made again using ferrous solution and having in mind not a simple exchange but a transmutation. An exchange may occur, but that doesn’t explain the appearance of Mn in such great quantities. The correct explanation is transmutation, and it was verified.

It seems that the bacterium envelopes itself with a layer rich in Mn. This phenomenon has an industrial application: mangano-bacteria in a slightly basic solution, sprayed over finely-ground ores very poor in Mn, cause a proliferation of these bacteria which, in their porous membrane of Mn, are very easily separated when floating. The result is a concentration of Mn.

However, a microbiological study of Mn shows that there is not only a bacterium involved. In the bottom of the Atlantic and Pacific oceans nodules rich in manganese have been found and “fished” on a large scale. These nodules have been studied biologically everywhere (in the U.S.A. by Ehrlich, Mero, etc.) (H. Ehrlich, “Bacterial Action on Manganese in Nodules Enrichments”, *App. Microb.*, 1963, II-I, 15-19.), but no one has thought to make a systematic experiment without manganese, in ferrous solution. The given explanation is that in the sea the nodules are formed from a bacterian action which oxidizes the manganese in order to allow it to fix itself on the nodule.

**[See Fig. 10 next page]**

Be that as it may, the general conditions for the proliferation of the bacteria which “fabricate” the manganese are now known. Associations with actinomycetes initiated the industrial studies whose first application was the enrichment of ores poor in manganese but rich in iron. The presence of the bacteria transmuting Fe into Mn is certain here. One can increase their proliferation and activity considerably by controlling the temperature and pH and by adding 0.1% of peptone to the solution. (These micro-organisms are heterotrophic.)

fig 10

To show how numerous are the mangano-bacteria (found in all types of soil along with other microorganisms) here are some data for a soil in which pH = 6.7, prepared for a culture of oats. (Numerals refer to number of bacteria per gram of humid earth.)

(in millions)	
Diverse bacteria	225
Actinomycetes	4.8
Mushrooms	0.045
Mangano-bacteria	0.315
(Analysis by M.I. Timonin)	

Hence without sowing bacteria in a natural soil, one finds 315,000 mangano-bacteria per gram of

earth; one may, at will, either annihilate them or favor the activity.

The above data are not given here as an average. They may vary greatly.

A soil (superficial layer) gave:

Total bacteria		564.2	million*
Actinomycetes		2.3	million
Mushrooms			0.0338 million
Denitrifying organisms	10.6	million	
Mangano bacteria	255.0	million	

\* *per gram of earth, thus 800 times more mangano-bacteria than in the preceding example and twice as much total bacteria.*

### GEOLOGY

The manganese link with iron is observed in its ores. One often finds 15 to 20% Fe in ferruginous clays. The ores are classified in four categories:

Manganese ores	40 to 63% Mn	0 to 10% Fe
Ferruginous ore of Mn	25 to 35% Mn	10 to 30% Fe
Iron ore containing Mn	5 to 20% Mn	30 to 40% Fe
Iron ore		0 to 5% Mn 45 to 70% Fe

For example, the Quenza ore is an iron ore which is 4% manganese. It remains a hematite.

The Kizova ore (of Czechoslovakia) is ferruginous ore of Mn with 26.85 MnO and 32.56 FeO. It is an oligonite.

On the other hand, the Moanda ore, found near Franceville, which contains 50% Mn, is an ore of manganese.

The Pre-Cambrian rock in this region (N.E. of the Gabon, 500 km east of Libreville) contains an important lie of iron ore. This shows that Fe and Mn can have the same rock of origin but that the change from Fe to Mn probably occurs from causes other than biological ones.

It is clear that Mn and Fe combine well. The microorganisms which initiate this liaison have been sampled previously and the production of Mn from Fe in the laboratory has been accomplished successfully. Private laboratories are even determining in which economical conditions such an operation can be launched industrially.

[END QUOTING OF PART 11]

I hope you are beginning to see more than before that everything is LIVING in more than one presenting form. ALL things have life and cellular presentation and also have ability to harbor and produce bacteria and other microbe life-forms. It is a world of wonderment, readers—an incredible never-ending story and, as you will note, ALL THINGS ARE CONNECTED. So be it. Thank you for a long day.



## CHAPTER 12

REC #1 HATONN

FRI., SEP. 1, 1995 7:03 A.M. YEAR 9, DAY 016

FRI., SEP. 1, 1995

### FIXERS AND ADVICE GIVERS

As we move through the passing moments of that which is perceived as “time” and life happens, the “fixers” and “psychologists” come out from the walls to repair and fix things that are not broken—until, of course, everything becomes broken by the uninformed input.

Success can be measured in terms of distance traveled. How far have you, we, thee and me, traveled? Man moves forever from one experience to another, one challenge to another, one relationship to another. The ability to handle confidently all encounters is a gift of the very program itself, and one that accompanies you throughout every day, providing we humbly express gratitude for it. Moreover, as to advice giving—be sure you KNOW of that into which you intervene! Most often the fixers have not the slightest idea of who or what has transpired, and to suggest band-aids for gaping fatal wounds is unsound medical practice.

When you ASSUME a thing is pivotal on some “other” thing—you MAY BE INCORRECT. As with funds for any project, the project must undergo change. Funds have not arrived, you note—in many instances to further allow certain things in your life to continue. Also, things change as to responsibilities, and need to move forward or shut-down must be considered. Be sure, friends, that you know what are facts before you enter the ring lest you end up on the ropes or tossed out of the ring onto your head. P.S.: Words are not enough when the budget has dried up two months past, the landlord is RAISING the lease, and has the property up for SALE.

We are not standing still. No matter how uneventful our lives may appear. We are traveling toward our destiny, and all the thrills and tears, joys and sorrows, are contributing to the success of our trip. Every day, every step, we are succeeding.

Many read a bit and toss the paper aside (any paper), watch TV, have input from supposedly injured parties, try to involve where involvement is inappropriate (or, even appropriate but ignorant of circumstances). I can only repeat a much stated fact: WE HAVE NO GROUP HERE IN THIS PLACE. Suddenly we are told we need to do this or that and have social outlets and “family” stuff. WE HAVE A JOB TO DO! When you get your own “family” together in perfection, then and only then, may you start to arrange MINE.

Dharma must somehow fit a role of a pious Ms. Fixit? I don’t think so, for assuming an exemplary position infers a higher position and she claims NOTHING OF SAME. If gatherings are desired—HAVE THEM! If disagreements arise, it is none of her business and, if it involves her, so shall she be involved as any other person. GO FORTH IF YOU MUST AND “FIX” SOMETHING OR SOMEBODY ELSE for we have a heavy, heavy load of work impatiently awaiting our attention. When we do not get information out—

persons are literally dying of that about which we could bring help and information—for their use IF THEY WISH IT.

“I” HAVE INTERRUPTED THE MEETINGS OF ANY KIND, save to write. I am busier than I have ever been with you, to date. Major negotiations are underway which may not be tossed about like cupcake crumbs. You are under investigation by your enemies AND YOUR BENEFACTORS to see how best to proceed. If you appear to be a “cult”, so shall you be categorized and handled thusly. If our little shared gatherings are the problem, then we don’t have them—a very simple solution. Since you are NOT a groupie then you have no problem—so why do you continually act in such manner and place a guilt trip onto another because things are not “your way” in “their” business? I usually find that the most avid “fixers” are those who have rarely ever been able to “fix” their own doorstep and, much the less, another’s.

Now, a suggestion: If you wish to negotiate a plan for retaining positions or circumstances more suitable to YOU—then feel free to bring the funds to the table and THEN make your propositions! For the project in question these days—bring at LEAST \$10 thousand a month. Do NOT, please, DEMAND an accounting of dirty laundry lest you further hurt the very ones you claim to wish to protect. Changes HAVE to be made for there are no alternatives to some confronting situations—but then, if all of you read every writing—YOU WOULD KNOW THAT! You say in your stumbling way that you came here to be near me and yet with that opportunity at hand, you do NOT read the material except as CONVENIENT. Well, my “convenience” is also at stake here, along with the necessary accomplishments to KEEP YOU ALIVE as we move through hard times. Do you not see the cauldrons boiling? You have EVERY circumstance for that cauldron to blow its top—unusual heat, total racism in full focus, and police in trouble while trouble simmers—and that is only in L.A.!

One says that it is hard to tell if Dharma speaks, Doris speaks, Hatonn in behalf of Doris, etc. So, we make it EASY—we don’t meet and speak. This seems quite simple and a good solution for she wants no confusion at any time. We are nit-picked endlessly. While you are tossing about your pebbles, boulder mountain is descending upon you.

As to tapes from my “meetings”, they will resume as we have ability to consider those things of general nature which are not open for ridicule or misinterpretation. I must focus on ALL people—not the handful that prefers “their” way rather than mine, at best. I do not hog the pond and I have no wish to be a big fish in any size pond. I certainly demand nothing of any person. I offer that which I have and can do, nothing more. I suggest the world would be ever so much better if you attended your lessons and your business (as you claim to wish) and less tending of that of which you know nothing or little. If your doorstep is swept clean of all dust and/or snow—then consider sweeping thy neighbor’s. Dharma did not come here to play games and set forth entertainment—we have a job to do which runs 24 hours every day. It does NOT include ability to serve social clubs or social cultural settings-forth. All who would enjoy that—why do you not do it? Why would that be her added responsibility? She is not some groupie “mommy” and I am not some groupie “E.T.” If you do not know the difference, then I cannot help that circumstance.

I repeat again because so few read every day’s letters to you: We now have political coverage so I do not need to focus on such. We have efficient and effective writers and topical information writers. We can merge all these things while we focus now in my line of information—YOU and what you are, how you function, your needs as a person, the things that will DESTROY you and thus and so. That is what I am

here for—not to have a cultural center. You must, however, live in the environment in which you are experiencing or move out of it—the choice is yours but you never seem to like the alternative—FOR YOU HAVE NOT YET LEARNED ENOUGH TO MAKE THAT TRANSITION/TRANSLATION IN YOUR PREFERRED MANNER OF EXPRESSION.

When you write a 12-page document of input and expect or demand an answer of agreement, you seem to have no idea of the time taken from other tasks to attend such. I can't spare that time and you shouldn't be able to do so either—if you were attending your own responsibilities. If there is “disagreement” with that which you input—I note there then arrives here a response to the “response” which bears more pages of argument. I am not here to ARGUE—as far as I am concerned YOU are always right! You do whatever you wish to do in all circumstances. Just don't do it on MY PLATE. And then, as individuals, it is up to you as to how much you accept on YOUR PLATE. I do, however, suggest that you who have accepted other tasks involving OTHERS—that you attend commitments and do your “fixing” in your spare time, for some of us have NO “spare” time. Thank you.

Let us move smartly along now into our continuing topic of cellular transmutation. This is HOW your body functions, readers, and if you don't learn this, you haven't a prayer of being healthy, wealthy and wise.

### BIOLOGICAL TRANSMUTATIONS, PART 12

by Louis C. Kervran

English translation: Michel Abehsera

[QUOTING:]

### CHAPTER XVI

#### VARIATIONS OF MINERALS IN DRIED FRUITS

**[H: Please pay close attention here because as you take a plant from seed to bearing of its own and then “tending” it in different ways—things within the body of that entity change continually. The moment a seed sprouts—it changes its makeup from that of the seed and on and on until maturity (forever changing) and even into the “time” spent after moving FROM the mother plant. It is fascinating in concept and more miraculous as you KNOW what is happening.]**

Many scientists now see the impossibility of explaining the mineral variations in dried fruits by means of chemistry alone. I cannot cite here all that has been brought to my attention concerning this subject. Notwithstanding, I shall mention an article by H.C. Geffroy which appeared in the review *La Vie Claire* (December 1966) and gives an analytical comparison of a fresh almond and a dried one. According to Lucie Randoin, the article points out, there is 87% water in a fresh almond and only 4.4% water in a dried one. Here are some of the results Geffroy gives of Miss Randoin's analysis (for 100 g of almonds):

- Nitrogenous matter
  - 5.67 g in the fresh almonds
  - 18.10 g in the dried almonds
- Fat
  - 2.19 g in the fresh fruit
  - 54.20 g in the dried fruit
- Mineral salts
  - 0.96 g in the fresh fruit
  - 2.50 g in the dried fruit

It is obviously impossible to support the classical explanation according to which the difference in composition is due to desiccation, for in that case there would be an equivalent concentration of all components.

In another review, *A Table* (April 1967), Mr. Geffroy draws attention to a comparative chemical analysis of the fresh plum versus the dried. The results are slightly different from those cited by Lucie Randoin, but these minor differences might have been due to the type of soil used.

Since Madame Randoin's figures are more detailed and since she specifies different kinds of fruit, we shall use her results.

The dried prune, when analyzed, has 2.4 g of water (per 100 g) less than the fresh plum. But the carbohydrates are seven times more concentrated in the dried prune. Desiccation alone would increase the organic and mineral components 6.2 times. The lipids and proteins increase only three times. It is as though they diminished relatively, and it is probable that molecular transformations of a biochemical order changed these lipids and proteins in carbohydrates.

Minerals increased only three times; sodium, 3.3 times; potassium, 3.8 times; magnesium, 4.4 times; phosphorus, 5 times. On the other hand, sulfur, which increased 6.1 times, kept its relative rate of increase unaltered. Iron multiplied by 7.2; copper by only 1.6. Manganese diminished greatly; there was 9.17 times less manganese than if there had been only desiccation.

From this we can see how important it is for dieticians to know the respective variations and to be aware of the difference between taking fresh and dried fruit. Let us take some results given in the "Table of Composition of Food" by Lucie Randoin (from the Academy of Medicine). The calculations pertain to 100 g of seeds.

- in dried soya beans, 580 mg of P
- in germinated soya beans, 67 mg of P
- in dried soya beans, 280 mg of Ca
- in germinated soya beans, 48 mg of Ca

Where did the phosphorus disappear to once the soya beans had germinated? (There was 8.6 times less.) Where did the calcium go? (There was 5.8 times less.)

Let us take simpler cases where desiccation does not enter into play (at least in principle; we shall see

later that there is something else).

In the green pea there is:

	S	P	Mg	Ca
when green	60	122	42	26
when dried	219	380	130	60

These abnormalities did not surprise anyone. If there had been merely desiccation (loss of water), the ratio between the minerals would have remained the same.

Let us take the case of the banana:

	S	P	Mg	Ca
fresh	12	28	35	11
dried	36	90	105	21

We can see that in the drying process S and Mg become three times more concentrated while Ca multiplies less than twice and P less than 3.2 times.

The P/Ca ratio is:

2.5 in the dried fruit  
4.3 in the fresh fruit

For the fig:

	S	P	Mg	Ca
fresh	10	30	21	32
dried	34	116	72	170

The dried/fresh ration is 3.4 for S and for Mg. On the other hand, it is 5.3 for Ca and 3.8 for P. There is a slight increase in P, but a large increase in Ca.

In grapes, the phosphorus content changes from 20 to 145; Mg changes from 10 to 36, Ca from 20 to 40. Although P increases 7.2 times, Ca only doubles while Mg increases 3.6 times and sodium 11 times.

**[H: Please be thinking about these variances and why that might be! God has allowed for the ability to preserve foodstuffs by drying and with that form of preservation you have a greater intake of necessary mineralization for body function in lesser amounts. This is so that you have “off” season ability to have continuous nutrition during times of winter or slow supply. As long as the product is stored in a dry condition—you will NOT lose much mineralization; in fact, it might well increase. You WILL lose vitamin content that is found in fresh plants but that can far more easily be supplemented.]**

## VARIATIONS OF OLIGO ELEMENTS IN DRIED FRUITS

Here are some results, according to L. Randoin, of a few cases of variations in oligo elements:

In the dried chestnut, iron is multiplied by 2.3 and copper by 1.08, so that Fe/Cu = 1.33 in the fresh chestnut and 2.86 in the dried—a 117% increase. These findings seem to indicate that some copper became iron.

However, for the fig we have:

$$\begin{aligned}\text{Fe/Cu} &= 1.50/0.06 = 25 \text{ in the fresh fruit} \\ &3.0/0.35 = 8.57 \text{ in the dried fruit}\end{aligned}$$

Hence Fe/Cu is 191% higher in the fresh chestnut than in the dried. Iron only doubles, while the water content is 3.4 times less. On the other hand, copper increases 5.8 times. Thus, some iron disappeared and the amount of copper increased.

In the peach the concentration of mineral elements is five times greater; the water content is 3.58 times less. But it is not the same for the oligo elements.

The Fe/Cu ratio is:

$$\begin{aligned}0.40/0.05 &= 8 \text{ in the fresh fruit} \\ 4.0/0.26 &= 11.1 \text{ in the dried fruit.}\end{aligned}$$

There is thus ten times more iron and five times more copper, indicating that the very noticeable variation of Fe/Cu does not derive from Cu and that iron has another origin.

In the pear there is a great variation of Fe/Mn:

$$\begin{aligned}0.40/0.06 &= 6.6 \text{ in the fresh fruit} \\ 1.80/0.20 &= 9.0 \text{ in the dried fruit}\end{aligned}$$

meaning an Fe/Mn increase of 36%.

For the apple it is the opposite:

$$\begin{aligned}\text{Fe/Cu} &= 0.40/0.10 = 4 \text{ in the fresh fruit} \\ &1.44/0.58 = 2.48 \text{ in the dried fruit}\end{aligned}$$

For Fe/Mn we have:

$$0.40/0.04 = 10 \text{ in fresh fruit}$$

$$1.44/0.20 = 7.2 \text{ in the dried fruit.}$$

Thus there is a different enzymatic behavior in the pear than in the apple. In both,  $\text{Fe/Cu} = 0.40/0.10 = 4$  in the fresh fruit, whereas  $\text{Fe/Cu} = 9$  in the dried pear and 2.48 in the dried apple, due to the formation of copper in the dried apple.

**[H: I am asking you to carefully study these differences for it is input as to what to put aside for long-range needs in a state of preservation that offers your “body electric” the necessary minerals needed for body function. You can calculate the needs and put aside a variety of fruits and nuts in vacuum or sealed containers for those needy days. It is nice to have nicely canned vegetables and fruits for variety and fresh vitamins—but that is a different subject for it is the mineralization with which we are here working. Consider the values in that which you put aside and you shall not be found wanting. You can even keep some of those more delicious seeds for sprouting to get those nice vitamins. You can have the best of both worlds if you plan ahead. Dried seeds and fruits take far less room for storage and are far more satisfying to the hungry body when rations are scarce.]**

## CHAPTER XVII

### AN INTERPRETATION OF AN ANALYSIS MADE ON RYE-GRASS

**[H: I suggest that you who must deal with a lot of rye-grass in your fields at harvest time, take into some real consideration what we offer HERE.]**

The interpretations of this analysis by the Laboratory of the Société des Agriculteurs de France (officially recognized by the French Ministry of Agriculture for arbitration and expertise in cases of litigation regarding fertilizer analysis) were included in the same sheet in order to gather together all the numerical values necessary for the understanding of the results.

Dosages of magnesium, calcium, and copper were given to 1,000 seeds of rye grass from Italy (Rina Variety). These seeds were not germinated but were kept as controls (column 5).

A similar lot (in two Petri dishes, 500 seeds per dish) was germinated for 29 days on porous ashless paper soaked with Evian water (column 6). At the end of the experiment, the remaining water was measured (430 cm<sup>3</sup> were used for the entire culture). The Mg, K and Ca contents of the Evian water are indicated in column 7.

The seeds were germinated under a plastic sheet in order to avoid any introduction of dust. These seeds were similar in weight to the ones being kept for later comparison (column 5). The composition of the Evian water is in column 7. The total of the elements introduced in the Petri dishes is in column 8.

With no supplement for the seeds other than water, it was found that the harvested plants had a



different content of Mg, K and Ca (column 6). The differences between (6) and (8) are shown in column 9. These differences are expressed in percentages in column 10. **[See chart next page.]**

### INTERPRETATION

There were 3.02 mg of magnesium in the seeds. With the addition of water there should have been 13.34 mg, however there were only 3.20 mg. There was a 10.14 mg “loss”, i.e. 335% more.

The calcium did not decrease much, but the copper increased by 376%.

**[H: I will state for you right here that rye grass is mild and delicious in flavor, easy to sprout and also the seeds can be utilized for flavoring for breads if you like the taste of “rye”. However, the flavor of fresh sprouted rye seeds is NOT the same as the dried seed.]**

chart on pg. 107

### AN IMPORTANT LESSON

Mg diminishes by 10.14 mg, while K increases by 9.31 mg. Notwithstanding, we could not conclude from this experiment alone that when K increases, Mg decreases (for although they compensate each other on the ponderal plane, the difference in nucleons on the atomic plane corresponds to the nitrogen content, which was not measured).

Although the reactions would be valuable for the various stable isotopes of Mg and N, as well as K, we will not write  ${}_{12}\text{Mg} + {}_7\text{N} \rightarrow {}_{19}\text{K}$  without conducting research on the intermediary N. This is because there is another possible reaction in the *mitochondria* **[H: Remember those “other” DRIAS?]**: Mg giving Ca by nuclear addition of O. The excess Ca which cannot escape makes the pH rise, thus triggering the transmutation of Ca into K by taking away an H proton from Ca. K remains and can escape through the membrane while H, now liberated, makes the pH of the mitochondria diminish. Thus it is clear that the subtraction K - Mg, for example, does not necessarily indicate the intermediary. Nature mostly operates by transmutations with +/-H or +/-O. But whatever the intermediate mechanisms, one fact is verified: Mg decreases and K increases, in this specific experiment. (One should be careful not to generalize, because each plant behaves differently.)

This research was initiated in the hope of confirming previous work by verifying precisely that Ca does not vary in the cultivation of a plant that is unable to “make” the calcium indispensable to its metabolism. That is why the culture was made with Evian water, which is rich in calcium.

The calcium absorption by the rye-grass is remarkable since the water provided 33.11 mg and 36.50 mg were found in the plants (for lots of 1,000 seeds). This means that all the calcium that was fixed in the plant, including what the seed contained, came from the water. This process is characteristic of plants unable to make their own calcium. Experiments of the same kind in waters either rich or poor in calcium reveal the differing behavior of plants able to manufacture their own calcium. **[H: Realize, please, that**

**in the sprouting process you can manipulate through the water additives that which is necessary to produce desired results in the sprouts. This is why I suggest a few drops of Gaiandriana be in the soak water of any seeds for sprouting, cracking (just before sprouting), etc. Then that product (before growing much) can be added to breads, soups, or salads. After sprouting the uses are obvious.]**

### REMARKS

The behavior of magnesium is interesting to observe. One can see that the seeds contain 3.02 mg of Mg, while after germination the plants contain only 3.20 mg of Mg. This shows that germinations made with distilled water DO NOT permit precise study of the biological transmutation phenomenon: it was necessary to supply 10.32 mg of Mg with the water to verify that in the culture a great quantity of Mg disappeared (a disappearance of approximately three times the amount of Mg contained in the seed). An experiment involving several lots totaling 21,000 seeds (50 grams) of rye-grass showed that the Mg variation is slightly noticeable in demineralized water. The same series of experiments also showed a very small variation of K, which is normal since in this case one is only “gambling” on the reserves of the seed. But here, with a small amount of K being provided by the water, the total potassium is more than doubled, whereas there is a consumption of the magnesium that was provided.

### CONCLUSION

The mineral elements given to the soil should not be those taken away with the harvest; their choice should depend on what was transmuted by the plant to give what was gathered at the harvest. The latter is what we call “substitution”, whereas classical agronomy arrived at the sad policy of unbalancing soil and plants with the erroneous “restitution” technique.

Our case is made manifest by the behavior of Mg. If we limit ourselves to an analysis of seeds and plants, we might think that there is little change in Mg content and say, along with those who practice restitution, that bringing Mg to the soil is useless. But we see that it is important to bring Mg, that the plant uses this element after transforming it. On the contrary it is useless, despite appearances, to provide K if the plant can obtain Mg, since the plant produces K. Besides, several experiments have shown that more K is found in the plant than what was originally given to the soil. (A frequent origin of K is Ca - H.) The whole classical technique of mineral fertilization must be re-evaluated, especially in schools of agriculture.

[END QUOTING OF PART 12]

This is the best information I can offer you readers for your consideration of what you need to be considering while you plan for your needs during emergencies and shortages. There is so much DISinformation and MISinformation as to stagger the senses. You really do not need much to live very, very well IF you attend the basics and then work on the things which allow for enjoyment of the senses. You CAN have BOTH. You just need to know what you are doing!

Good morning.

## CHAPTER 13

REC #1 HATONN

SAT., SEP. 2, 1995 7:24 A.M. YEAR 9, DAY 017

SAT., SEP. 2, 1995

OLD HEIST

Since writing the story of the groupie hoarding gold and manipulating markets and showing that Sir James Goldsmith is a member of the leading “runners” of that house of lords, I am deluged with inquiries about same and acquisition of that pretty yellow stuff.

I would rather you ask me about simple kindness but that is not the case so I suppose we have to address other things. Most of you feel that if you had enough gold you could buy the other things—no, you can’t.

George Sand: *“Guard within yourself that treasure, kindness. Know how to give without hesitation, how to lose without regret, how to acquire without meanness. Know how to replace in your heart, by the happiness of those you love, the happiness that may be wanting to yourself.”*

But beware, for as with the ones who have chosen to live and work nearby in this location—great mis-, dis-information flows like water RIGHT TO THE VERY CENTER OF YOUR ADVERSARIES WAITING TO DESTROY YOU. THROUGH YOUR MOUTHS DO YOU DESTROY THAT WHICH YOU CLAIM TO DESIRE FOR HOLDING DEAR. I SHALL TAKE THAT UP WITH A FEW LOCAL “AT ODDS” PARTIES AS WE HAVE TIME TO DO SO. Mr. Green continues to flood “everybody” with great lengthy letters and packets and perhaps you should read those documents and you will see that he gleans his information on some points DIRECTLY from your own mouths. Lessons are hard, friends, and when you set about assuming that it is alright to lose, wait and despoil either in ignorance or intent—it requires attention.

Dharma is then expected to fight the battle, make the amends when she didn’t make the problem. She confronted the problem head on and, thus, nobody liked it and surely, now, she speaks truth but it “hurts” so you simply acclaim that she has no right, and certainly no right to set an unGodly (in whose perception?) unjustness to public justness. We do not deal in “behind-the-back excuses or meanness”. It happens that a couple of things arrive at the necessity of tending at the SAME TIME. Do not confuse the two. I said the FARM had to be shut down over TWO MONTHS AGO AS IT WAS TOTALLY FAILING. We can keep the grain milling going and are training others to do that; the resident parties didn’t want that portion of the farm labor. I suggest you not mix apples and peanuts. No, I have made some people stewards over our most precious things and to NOT ATTEND THEM IS UNACCEPTABLE. For you who just want a Spiritual support system when you continue to work your mischief, prattling, tattling and diverse ways of sabotage—it is not going to longer happen. I said we must clean our own houses we build bigger houses in the ways of bad-business through ones who THINK they know “better” and simply “allow” total ineptness in our fields of that which means your very survival. If you do not believe this to be so—you must go

your way for you have no real interest in the focus upon which “T” must attend.

We are also aware that others who intend on great wealth have promised the resident party a management position as all of the land in the valley is acquired and he will be placed in charge of all agriculture. So be it. Why are “changes” interpreted as somebody’s fault for we cannot promise nor expect anything other than hard work, patience and keep on going?

We are now going to experience power shut-offs (deliberately and in thought), surprisingly, along with resignation from various committees. Fine, but why HIDE IT? What is there to hide?? We only asked privacy and yet we now get back from across the nation the most private information a corporation Board can hold—”others” (not anyone here) business—even phone numbers with suggestions for you-the-people to call them. This is NOT acceptable corporate management nor ethical business. Some people “OUT THERE” have told us exactly what they expect as far as “good business” in this matter and so shall it be.

### BUSINESS

Business must be run in a Goodly manner—but it must BE RUN in a good-business manner. We are here to hopefully establish some GOOD BUSINESS. If we can share the Spiritual truth then, and only then, can we achieve a “family” atmosphere. Ones tend to mix my mission with my greater “purpose”. I cannot play into that hand, readers. My job is not to pat people on their po-pos and accept continuing damage as a “sweetness and light” way of progression. You need grain and that requires knowledge in action to produce it—no more and no less. Good intentions do NOT grow that grain!

### GOLD IN THEM-THAR COFFERS

I do not intend to write more on the above subject and waste precious time and space on further personal discourse. We have a PAPER, not a “Personal” problem column. If you want a “Dear Abby” column in your paper—then we will consider having one but it is likely it will not be what you expect for I will simply tell you to GROW UP.

What about gold and governments? Well, the U.S. has, in most of your lifetimes, CONFISCATED the citizenry’s gold without recourse. It is planned to happen again as the economy, debts, uprisings, etc., shut in on you. I can REPEAT some historical fact to you and use that which is presented for your information in many places—but we will choose an article from *SPOTLIGHT* (Sept. 4, 1995) because it holds a LOT of information that you can go research for self and you who are too young to remember—GO FIND IT FOR YOURSELF—IT WOULD MAKE AN EXCELLENT SCHOOL THESIS PROJECT.

Then I suggest, if you want to hold gold AND use money, you consider a program which allows some bit of security. Otherwise—the confiscation WILL come to pass. Anything they did before and got away with doing—WILL HAPPEN AGAIN WHEN THE GOING GETS ROUGH.

*SPOTLIGHT*, Sept. 4, 1995 [quoting:].

**[H: Article by Ed Lee and in exchange for using this writing we offer his information as offered to**

us: “Ed Lee is an expert on gold, money and rare coins and has been in the business since 1958.....” *LeeViews Newsletter*, 1-800-835-6000. Do I agree with the money management? No, but I certainly do agree with the historical portion of this writing.]

*Over the years, Uncle Sam has let tons of gold slip through his fingers enriching other countries and impoverishing the United States.* First of two parts. [H: I doubt we will run the second “part” of this so please contact *Spotlight* or Ed Lee if you are interested in the second article. This was written FOR *Spotlight* so we certainly take no credit but do offer credit for a fine and thoughtful presentation.]

In order to understand how the American people lost 37,833,333 pounds—more than 14,000 tons—of gold, we have to start at the beginning of the problem which was in 1933 and 1934 during Franklin Roosevelt’s first term. [H: THIS IS ALSO WHEN YOU CAME UNDER MARTIAL LAW AND HAVE NEVER SINCE BEEN OTHERWISE!] This is an extremely important era to understand, as FDR is Bill Clinton’s idol and many Republican leaders also revere him as well.

Let’s start with an FDR speech followed by a quote from his actual confiscation announcement:

“The rulers of money have torn down the dollar... Practices of the unscrupulous money changers stand indicted in the court of public opinion, rejected by the hearts and minds of men.

“Stripped of the lure of profit by which to induce our people to follow their false leadership, they have no vision, and when there is no vision the people perish...”

### GOLD CONFISCATION

“By the virtue of the authority vested in me by section 5 (b), of the act of October 6, 1917, (Trading with the Enemies Act of WW I) as amended by Section 2 of the act of March 9, 1933... I Franklin D. Roosevelt, President of the United States of America, **do declare that a period of national emergency STILL CONTINUES TO EXIST and pursuant to said section do hereby prohibit the hoarding of gold coins, gold bullion, and gold certificates within the continental United States by individuals, partnerships, associations, and corporations ....**

**“All persons are required to deliver on or before May 1, 1933 TO A FEDERAL RESERVE BANK OR BRANCH OR AGENCY THEREOF OR TO ANY MEMBER BANK OF THE FEDERAL RESERVE SYSTEM ALL GOLD COIN, GOLD BULLION, AND GOLD CERTIFICATES NOW OWNED BY THEM OR COMING INTO THEIR OWNERSHIP ON OR BEFORE APRIL 28, 1933 . . . [H: Emphasis mine.]**

\* He CLOSED OUR BANKS to prevent a run on them by depositors and to allow the government time to make some “plans”. [H: This is the same law that requires any corporation under siege or attack for the purposes of forced bankruptcy by outside parties, if that corporation deals with notes, loans or investments of any kind—to hold all assets in security in order to insure the SAFETY AND SECURITY OF ALL INVOLVED PARTIES. Even if there is no governmental regulation involved—it IS CORPORATE LAW. It is obvious that almost no-one seems to real-

**ize this safety lock.]**

\* He stopped the minting of U.S. LEGAL TENDER GOLD COINS as of 1933, thus ending the production of high quality world class gold coins, which started in 1795. No more legal tender U.S. gold coins were produced until 1984, a period of 51 years.

\* He initiated what was, and may still be, the largest redistribution of wealth in U.S. history. When he was elected the official price of gold was \$20 an ounce. By 1934 he ordered the official price of gold be revalued to \$35 an ounce, an increase of 75 percent. Or, to look at it in terms of the dollar vs. gold, FDR devalued the dollar by 40 percent virtually overnight.

To ensure that this redistribution of wealth would occur as he planned, he also canceled all of the gold clauses which were commonly written into contracts during that era. This completely eliminated the remaining protection that gold offered to American businesses and individuals.

\* He initiated the largest confiscation of gold in U.S. history. There was no existing law “on the books” which allowed the president to confiscate gold in 1933 and he lacked the “dictatorial” powers that he would accumulate due to World War II. He and his advisors decided to take the World War I-era Trading with the Enemies Act and twist it into a law which would allow FDR to submit a bill to Congress granting him near complete control over the private ownership of gold.

The bill was submitted to Congress and passed in 40 minutes without relevant discussion and with virtually no one having read it except those responsible for this chicanery.

As of April 5, 1933 all U.S. legal tender gold coins and gold backed notes had to be turned in immediately. Penalties included a then-enormous fine of \$10,000 and/or seizure of the asset. This also applied to U.S. corporations, and their gold holdings, both here and abroad.

All other forms of gold, such as gold bullion, also had to be turned in.

The major exceptions included the “holders of rare or unusual gold coins”, jewelry manufacturers, dentists and legitimate research applications.

Important note: During the Reagan presidency he allowed the IRS to make one crucial change in this law. To be truly rare and safe from confiscation a gold coin has to be pre-1934 and carry a premium of at least 15% over the coin’s gold value. Another note: Pre-1965 (junk silver) silver coins are a traded commodity and must be reported upon sale. No reports are required to buy or sell any amount of pre-1934 U.S. gold coins. **[H: Now readers, use your heads—this man is IN THE GOLD BUSINESS (OR COIN BUSINESS) SO DON’T FALL FOR HOGWASH, EITHER—USE YOUR NOG-GINS AND THOSE CELLS BETWEEN YOUR EARS.]**

\* FDR ordered the closing of all U.S. gold mines in 1942 (Executive Order L-208) with the theory being that it was more important for us to mine copper than gold and that this would free up more miners. Naturally, we had sufficient miners to mine whatever we needed and gold miners were in no position to simply pack up and move to another state to mine something very different. This was one of the worst



blunders in the history of America and for the following reason:

Our nation's 9,000 gold mines needed constant care and maintenance. For example, the mines start to flood unless they are merely large holes in the ground. Once water floods a mine the timbers start to rot and any equipment not removed rapidly becomes useless.

In short, this is an irreversible situation as it soon becomes prohibitively expensive to re-open these mines. FDR's order deprived the American people of all that gold forever, meaning 4 million ounces every year (worth \$1.5 Billion a year in 1995 terms). (We still were able to obtain about 900,000 ounces of gold a year as a by-product of other mining.)

The equipment needed to work gold mines is expensive and much of it was sold due to the facts described above. History shows that not only did FDR agree to give all of eastern Europe to the Soviets, but most of our gold mining equipment was sold or given to them and used to mine gold and uranium for their A-bombs. It is a wonder this nation has survived such colossal blunders although we will suffer the consequences of these errors forever as the rest of this article will show.

To reinforce the conspiracy theory that I am writing about I present these additional facts:

After the end of World War II, U.S. gold mine owners/operators asked our government to loan them money to reopen their mines. They were all turned away. Although it was official U.S. policy to make war reparation claims all over the world after World War II, **our government refused to pay any damages to any of the owners of the 9,000 mines that FDR ordered closed.**

At the same time our own miners were being denied any funds whatsoever, various agencies of the U.S. Government were providing funds and equipment to foreigners who were operating mines or who were exploring for gold.

[END OF QUOTING]

There is no plan in the works for this to get easier on you the citizens. At the same time as these political bastards take the gold they will also close down such as products using same. This will eventually involve silver also—until silver no longer kills infesting organisms (which is on the drawing board as we speak.)

What do I suggest? The same thing I have always suggested since I began this work in this arena—lend your funds and use that gold as collateral to prevent confiscation [*This would be through the Phoenix Institute. For inquires daring normal West Coast business hours, call 805-822-0601.*]. Then, as an appropriate NOW move—get gold into security for product. You CAN exchange value for product. AT this time NO ONE has the products we have—no matter what you might be told otherwise—nobody has the effective products that we have. We don't even wish to PUSH them for even if we would be allowed to do so, we have no intention of supplying the world with anything just for the heck of it. I have no intentions of aiding and abetting our avowed adversaries—period.

I would like now to continue our work on Transmutations.



Salu and thank you for your attention, I appreciate the opportunity to respond to the MANY of you in this manner for there is no time for individual correspondence.

## CHAPTER 14

REC #3 HATONN

SAT., SEP. 2, 1995 3:35 P.M. YEAR 9, DAY 017

SAT., SEP. 2, 1995

BIOLOGICAL TRANSMUTATIONS, Part 13

by Louis C. Kervran

English translation: Michel Abehsera

[QUOTING:]

### CHAPTER XVIII

#### TRANSMUTATION OF RADIOACTIVE WASTES

Do the reactions which I propose have a possible application for the destruction of radioactive wastes?

At first glance one might remark that my reactions have not been observed in the presence of radioactive phenomena. But one should not dismiss a possible application *a priori*, without studying it, and I have done no research on radioactive substances.

An objection presents itself: since these very transmutations which were studied and applied are happening at a biological level, it is unthinkable to anticipate that microorganisms could transmute radioactive wastes into stable nuclides.

The destructive effect of the radioactive radiance is being utilized to kill cells and to sterilize various products.

But nothing is absolute! Not even this law of the biological effects of radiation!

**A bacterium which can support ten million roentgens for eight hours has been discovered! The mortal dose for man is 500 roentgens. This bacterium, of the Pseudomonas type, was discovered in 1958 in Los Alamos, U.S.A., in the water of a nuclear reactor. It liked the medium so much that it reproduced every twenty minutes.**

A little later in Lucas Heights, Australia, a verification of the same kind was made. In stored heavy water there were two million bacteria per cm<sup>3</sup>. Only 1,000 of these bacteria were left when the heavy water came out of the reactor. The content rose to 10,000 at the exit of the ion exchanger. These bacteria were of the *Pseudomonas*, *Bacillus*, and *Achromobacter* types. It can be seen that these bacteria can multiply in heavy water, which is not conducive to the life of most organisms.

However, we can see from the above that some bacteria can be cultured very readily on radioactive substances. It would be wise to find out both if these bacteria can help make the transmutations, and which ones they can make. Transmutations can also be made by mushrooms, algae, and enzymes.

Here is a theoretical example: if strontium 90 could be “fritted” with fluorine, it would give non-radioactive silver ( $\text{Sr}_{90} + \text{F}_{19} \longrightarrow \text{Ag}_{109}$ ), providing that the fluorine could enter in this manner in a nuclidobiological reaction.

Studies should be made to find out if  $\text{C}_{14}$  and  $\text{K}_{40}$  enter into the reactions of transmutations. It is probable in the case of  $\text{K}_{40}$ , for noticeable variations of this nuclid are found in the potato, for example. One thing is true: it is an almost stable nuclid. If formal proof were given that it did enter in the nuclidobiological reactions to give a stable or short-lived nuclid, however, this would constitute a breach with the actual theory of radioactivity.

A study “*Volatilization of Mercury by Bacteria*”, *British Journal of Industrial Medicine*, October 1964, pp. 294-98, was carried out by L. Magos, Tuffrey, and T.W. Clarkson (Research Council Laboratories of Carshalton, England), who used grindings of rat kidneys homogenized with addition of  $\text{HgCl}_2$  (radioactive isotope  $^{203}\text{Hg}$ ). Samples were tested at the Geiger counter at staggered times. The period of this isotope is 46 days. However, the diminution of activity corresponding to the disintegration of this radioactive isotope was much stronger than anticipated.

Where did the mercury go? Since it disappeared, everyone believed that it had “evaporated”. But here again, isn’t this an unverified assertion, deduced from the sole fact that mercury “volatilized”?

Meanwhile, it became apparent during the experimentation that mercury does not “volatilize” regularly. For according to the law of diminution of radioactive activity, there should have been a regular curve, exponential and well-known. However, a counting made sixteen hours after the first verification showed clearly that there was a diminution of mercury, conforming to the law of radioactivity. But after 32 hours there was an unexpected diminution of mercury. After 48 hours the difference took on great proportions.

The merit of these researchers was in thinking that the phenomenon could be produced by a microbial action, that the latent period (which lasted at least sixteen hours) could correspond to the incubation period of a bacterial colony. Cannot the effect of toluene be explained by the fact that it kills the bacteria? However, this hypothesis was *a priori* hazardous because it was believed that bacteria do not attack heavy metals, the latter resisting all actions of biological products.

Penicillin kills bacteria, and mercury disappearance follows the same law as does a sterilized solution in the autoclave.

There is 50% more mercury lost in 48 hours in a contaminated medium. This event is not imputable to the disintegration of the radioactive isotope.

If one takes a sterile sample and inoculates it with only  $1 \times 10^{-5}\text{M}$  of  $\text{HgCl}_2$  which has already started to lose its mercury, one verifies that there is no latent period. The proliferation is immediate and in 24 hours 60% of the initial activity subsides, whereas a non-inoculated sample kept for later comparison loses only

2%.

The identification of the most active bacteria revealed a *Klebsiella aerogenes*, a bacterium of the *Proteus* type, an active microorganism which could not be identified, and a great number of other microorganisms carrying on little or no activity at all. In the city water used for the experiment was found the *Pseudomonas pyocyanea*, which is very active. A *Diplococcus* was also found, but it does not die from toluene; it only becomes partially inhibited.

Unfortunately, researchers considered nothing but the disappearance of mercury by volatilization. Nevertheless, they verified their theory. They declared the phenomenon to be a natural one, basing their hypothesis on the diminution of activity measured with the Geiger counter. Thus, haven't undisputed results received a weak interpretation, lacking essential analysis and measurement?

The researchers did not suspect that the disappearance was due to the biological transmutation of mercury. Evaporation is negligible *a priori*; mercury boils at 360°C and its vapor tension is very low (40 to 50°C). but the experiments were conducted at the ambient temperature of 20°C! This fact should have alerted the researchers and could have prevented them from adopting the postulate of evaporation.

This experiment leads us to qualify what we said about radioactive elements: it was not clear to us whether superior organisms (animal and vegetal) performed biological transmutations on radioactive elements. However, the behavior of bacteria is always full of surprises. Regarding the transmutation of iron into copper, I mentioned in a previous book (*Transmutations a Faible Energie* (2nd Edit.), Malcine Pub., 1972, p. 179.) that **some bacteria proliferate in pure sulfuric acid. I also cited some *Pseudomonas* which live in the heart of an atomic reactor in heavy water and receive more than 1,000 times the mortal dose for human tissue. The same is true with the *Micrococcus radiodurans* which resists 3,000 times the mortal dose for a mammal. During the experiment on mercury it was also found that there is a *Pseudomonas* species which “digests” radioactive mercury, making of it another element unidentified to this day. But what happened to the excess neutrons in the radioactive nucleus? Since there is a decrease in radioactivity, there should be no transmutation into another radioactive element. Might a “conversion” of neutrons into protons possibly have occurred? Only what remains at the end of the experiment will allow the pronouncing of a verdict.**

The perturbations caused by  $\gamma$  rays impede the reproduction of ADN. There is a progressive death of the cells. However, the speed of reproduction is generally considerable in a bacterium, which means that the bacterium's enzymatic activity is considerable. This explains how bacteria can resist an irradiation several thousand times greater than the dose that vegetal or animal matter can take.

Have we not here an open field where research concerning the elimination of radioactive wastes can be conducted? I indicated this as a hypothesis in 1960. Don't experiments of the type cited here seem perhaps to demonstrate that it is indeed happening? If this possibility were to be established, it would be a great event since we would then be able to study the destruction of the radioactive wastes which pose such a threat to humanity.

## CHAPTER XIX

## HOW TO MAKE EXPERIMENTS WITH BIOLOGICAL TRANSMUTATIONS SUCCESSFUL

In order to succeed in transmuting elements biologically it is necessary to abandon certain concepts of the so-called “exact” sciences, which are exact only for simple and isolated cases foreign to biology. As I have already stated, biology is too complex a science to be compared with these “exact” sciences. It is comprised of too many interdependent parameters to be completely accessible nowadays—even with the help of computers—by scientific methods based upon hypotheses which are solely mechanical. I must therefore reject the groundless assertion that all natural phenomena are reducible to the phenomena of calculations. Anyone subscribing to this idea will have an increasingly hard time proving his point as more and more of life is revealed to us.

In the following review of a few general principles it is important to beware of committing the opposite error by extrapolating certain transmutations and saying to oneself, “Since Nature can transform one element into another, it will be enough to have only one element at our disposal and Nature will take care of the rest!”

The transmutations are operations requiring a specific production of enzymes and a medium allowing the physiological development of cells (or microorganisms). One kind of plant will thus make a transmutation that another cannot make. Or else, a transmutation will be made in one direction in a growing plant, whereas it will be made in the opposite direction in a germinating seed of the same species. The same is true with animals: a reaction will take place in one direction under a certain set of conditions, and again in the opposite direction, with the same animal, when different interior and exterior conditions are met. On the other hand transmutation may take place in no direction at all, regardless of conditions, thereby requiring the animal to obtain a specific element from outside. Generalizations in biology reveal an ignorance of life’s complexity.

A transmutation is not always absolute. For example, it is often impossible for a plant, seed, or animal cell to make the transmutation into a specific element if this element is not already present to serve as a catalyst. This principle should be kept in mind. Let us recall Jacob, Lwoff, and Monod, Nobel Prize winners who showed that for a gene to be active requires the “influence” of a certain element which “releases the brakes” and prevents the synthesis of the enzyme.

That is why it is usually vain to try to produce an element with biological transmutation if that element is not already present. In other words, what should be sought is the increase of an element (which always leads to the diminution of another), not its appearance from zero.

**One should never start with absolutely pure products. The metabolic conditions of the animal or vegetal cell must be retained in order to verify an increase of the elements, a proof which will have no room for contention on the part of those chemists who are prone to reject everything new *a priori*.**

### GENERALITIES:

#### *CONDITIONS OF TRANSMUTATION*

Many kinds of seeds have been germinated in my experiments: watercress, lettuce, parsley, etc. The leguminous plants most often used were fava beans, soya beans, etc. For practical reasons, however, lentils and vetch were most often elected. Their size is uniform and they are easy to calibrate and not too large, thus eliminating the possibility of irregular germination. Poor germination of one seed can cause an appreciable error in calculations.

Doubly-distilled water should not be used. Again, a chemical preparation designed to satisfy the rigorous conditions of “exact” sciences would lead to excessive simplification since, biology being complex, there is no life without several interactions. The term biochemistry itself means that the biological precedes the chemical.

In other words, I consider it an error in such experiments to use an absolutely pure culture medium in studying the variation of an element. One should proceed with a complex medium which is close to the natural medium but missing in the element to be studied. The results will then be quite different. In the former case there are too many deficiencies and poor metabolism; the transmutations are of 1 to 3% only. Thus arguments arise. In the second case the variations are always over 10% depending on the element, often 20 to 30% (sometimes ten times more) for plants, and 30 to 300% for some animals.

Nevertheless it is sometimes impossible to completely exclude a certain element at the start, so as to measure its exact production after the transmutation process. Experience shows that there are cases where, for certain cultures, some elements are indispensable at the start. Proliferation will fail to take place if the amount of these elements is too small.

### MICROORGANISMS

That is why I am not in favor of the sterilization of seeds, soil, etc. I have heard that precise research can be made only on sterilized seeds in a sterilized liquid or solid medium. If the microorganisms are excluded, however, the results will be whimsical. This omission would be a confession that the activity of the microorganisms disturbs chemical research, that the purpose of the research is not really clear.

Studies have revealed that various enzymes (the permeases) allow biological membranes to receive certain molecules but not others. It seems that there are perennial permeases which are constantly being synthesized, while others are synthesized only in the presence of the molecule to which they must obtain entrance. Hence the results from a sterilized medium are totally different from those obtained in the presence of microorganisms.

If one wishes to germinate seeds in a vat, it is necessary that the plant grow in optimum conditions for vegetation; the earth must be alive, i.e., rich in microorganisms. This earth should be well mixed and homogenized. An aliquot portion should be set apart for use in measuring the element on which the balance sheet is to be established. At the end of the experiment the plant and soil must again be analyzed.

### THE WATER

The water used should preferably be source water. It is inadvisable to use distilled or doubly-distilled water, for then the pH must be readjusted by the addition of a calcium salt to place it between 7.3 and 7.5.

The best by far is natural, chemically untreated water. I recommend Evian water which is quite good for research on phosphorus since it does not contain that element at all. In this case it is unnecessary to add a calcium salt. Evian water contains it naturally, making its pH favorable: pH = 7.25. Here is what an analysis of Evian water gave (limited to those ions that may interest us):  $\text{Ca}^{++} = 0.07715$ ;  $\text{Mg}^{++} = 0.2432$ ;  $\text{SO}_4 = 0.0096$ ;  $\text{Na}^+ = 0.00552$ ;  $\text{K}^+ = 0.0089$ ;  $\text{Fe}^{++} = 0.00001$ ;  $\text{NO}_3 = 0.00254$ ; no measurable trace of P or Mn; silica ( $\text{SiO}_2$ ) = 0.011. **These figures are all in grams per liter.**

## PHOSPHORUS VARIATION

### *PREPARATION OF SEEDS*

As I explained, it is preferable to use calibrated lentils or vetch. A small pack of 125 grams will do. One should be careful to purchase lentils from the last harvest. Some are too old and therefore too dry. In order to secure the success of the experiment one should verify in advance the germination power of the lentils by trying them (100 lentils in a Petri dish). 99% of the seeds should be perfectly germinated. Any kind of water can be used for this first try (faucet water, for example). The seeds should be hand-selected to eliminate those that have changed color or deteriorated in the slightest degree (for example, those whose color is too brown as compared to the green lentils). The lentils should be divided into lots, and for this there are two options:

—Prepare lots of ten grams each, weighed to the centigram and write down the weight of each lot which will be put in a crystallizing dish.

—Or, do not weigh the lentils at all, and use 100 of them, for example. A lot of ten grams of lentils contains approximately 130 to 140 lentils. A lot of 100 lentils weighs approximately 7.5 grams; the average weight of one lentil is between 70 and 80 mg. It is 30 to 40 mg for vetch.

The advantage of counting the seeds is that there will be an identical number of young plants in each crystallizing dish, while with the other method there may be +/- one seed. It is easier to maneuver with the counting method, since a defective seed, unnoticed during selection, can be replaced. For an experiment to determine P variation, after putting aside five lots of 100 seeds to serve as a control, place the rest of the seeds in a basin and cover them with Evian water. (This only works for research on P variation because Evian water contains no phosphorus). (The technique of washing with Evian water is not to be applied in research on Ca, Mg, and K.) They should be left there 24 hours. They should be rinsed in clean Evian water in order to remove all traces of dust, and because the 24-hour stay in the water causes a visible darkening of the defective seeds. (At this point the seeds have begun to rot and will not germinate well. They will contaminate the others, probably causing inaccurate results.) Plunging the seeds in Evian water does not provide them any phosphorus; hence there will be no repercussion in the analysis. Thus, one should take 100 seeds from each crystallizing dish and place them—side by side without touching—on a double layer of porous ashless paper (ten lots of 100 seeds = 75 grams).

### *THE GERMINATION*



We should not forget that what is sought is the phosphorus variation. The ten crystallizing dishes containing the seeds receive a thin layer of Evian water which saturates the double-layered porous paper on which the seeds are placed. These receptacles are placed in a greenhouse or in a light room near the window so that they may receive good light while maintaining a temperature of 22 to 25° C. The receptacles should be arranged in two rows of five each or in one line. It is most important to place them in such a way that they will receive a maximum of light. For every receptacle there should be a corked bottle full of Evian water (100 to 125 cm<sup>3</sup>) with a tube through the cork; the tubes' extremities are placed in the center of each crystallizing dish, touching the porous paper. These bottles are placed upside down so that the porous paper is kept constantly wetted with water. The humidity of the room must be maintained between 55 and 60%. There will be no need to fill up the bottles a second time.

After fifteen days there will already be appreciable results, but they will be variable from one experiment to another. In Germany, Hauschka published results obtained from several germinations of watercress. These germinations were made every fourteen days for a year. Hauschka started one lot at the new moon, another at the full moon, and so on. He gives diagrams of variations for K<sub>2</sub>O and P<sub>2</sub>O<sub>5</sub>, K and P varying in opposite directions with a 16% average, and both changing directions depending on the position of the moon. In watercress the phosphorus decreases if the germination starts the day of the full moon. Hauschka's diagrams (*The Nature of Substance*, ed, Vincent Stuart, London 1966) also indicate an influence of the solar cycle. Studies concerning cosmic influence are now being conducted in several countries.

**[H: I have included this portion of this chapter in this writing for a very special reason. This is a good way to go about doing some of your own at-home experiments if you so choose but then I suppose you can't, most of you, have any way to measure these elements or their transmutation. But for you scientists who might have available instrumentation apparatus—try this same lentil experiment WITH RED LENTILS. If I had my “druthers” there would ONLY be red lentils, they are so much more perfect a food.]**

[END QUOTING OF PART 13]

We have not finished this “chapter” for this writing with full intent. If there is extra space in the paper we will finish the chapter at the least—but I don't want you side-tracked from the critical information on the Gulf War Syndrome problems which is being covered by Mr. Martin. This all FITS, people—better than O.J.'s gloves ever could! You need to reconsider how to handle these new diseases for you are going to find that the adversarial troops appear to be way out ahead of you. You have become WISE if you are to make it through this jungle in these times.

I wanted to leave you with the above seed project so you could “get started” if you are a “hands-on” researcher and we will consider the *Analysis*, etc., in the next writing.

Thank you for your attendance. The information on Transmutation of Radioactive Wastes is SO IMPORTANT that I possibly should have left it to stand alone—BUT—we don't have the privilege of being so selective any longer. You will please just try to keep up and hold steady for we only have a bit more on this topic by the above author but it deals with the “Agriculture” and “Medicine” aspect of this information. Good evening.