

Silica & the Microbe's Kiss

by Charles Walters

First off, inorganic silica makes up 27.7 percent of the Earth's crust, this computed for ten miles deep. The amount of silica in ocean water is approximately .0004 million tons per cubic mile. This computes to .8 pounds per cubic mile. In such a mass, silica becomes recycled. Figure wranglers can take 5,280 feet in a mile cubed, recall the value of 64.2 pounds per cubic foot of ocean water, and have fun.

More important than these numbers is the fact that ocean silica is in an organic form. As is the case with other elements in ocean water, it has been acted upon by microorganisms. The dilemma inside the enigma that is ocean water continues to reveal itself, as Maynard Murray, M.D., said it would when he told me, "The ocean blesses the sand and soil if we let it." That was over 30 years ago. I didn't understand what he meant then, but I think I do now.

Scientists at Woods Hole, Massachusetts, and the University of Maryland genome project now tell us that a liter of ocean water can contain more than 26,000 different microorganisms. This, along with a plethora of other facts, became an entry in the journal *Proceedings of the National Academy of Sciences* a few years ago and have been expanded ever since. Microbes constitute most of marine biomass "and are the engines of the Earth's biosphere," the report said. Woods Hole explained to the BBC that the method for finding this fecundity of life is called "tagging." A microscopic system reveals life in a drop of water like stars on a clear night. "It's a little like a Hubbel telescope" for a different universe, with stars of the deep "to which we were blind before," the daring innovators said.

FAST FORWARD

Now, let's fast forward to November 23, 2005. Chiropractor/physician Richard Olree was handling the puck in a tightly contested hockey game. Notre Dame football coach Knute Rockne once told a commission that his school would

never endorse a sport that put a stick into the hands of an Irishman for defense, advice routinely ignored by boys, men and women wherever ice is generally available.

Olree's crash into the goal and other human flesh left him with a torn rotator cuff, three months of convalescence, and hardly 50 percent repair a year and a half later. A damaged arm is no asset for a chiropractor. We had just finished *Minerals for the Genetic Code* at the time, and number 40 on the Olree Standard Periodic Genetic Chart was fresh in mind. It may have been serendipitous, but a rare book on a researcher's work with silica, Loïc Le Ribault's *The Cost of a Discovery*, landed on my desk at some uncertain point during Olree's bout of suffering. Repeated cortizone shots hadn't helped very much. Surgery merely seemed to ask for an indifference to more pain. The best case scenario was that Olree would have to do without about 50 percent of his former skills. After a few months of treatment with the "living silica" described in Le Ribault's book, however, he achieved nearly 100 percent recovery. Amazed at the results, he now includes this special silica in his practice.

SILICA

Silica, diatoms, ocean water, Willard's Water, carbon-silica formulas, even the bions of Wilhelm Reich call for the grand mosaic of the whole, the bottom line being that almost 28 percent of the Earth's crust is silica — yes, sand! In earlier issues of *Acres U.S.A.* we detailed the special effects of Willard's Water, but that was long before Olree and I teamed up to produce *Minerals for the Genetic Code*. John Willard told me about his formula. He took beach sand crystals for his silica formula. Wilhelm Reich did the same, in his case to produce bions (energy vesicles, transitional forms between non-living and living matter). Heating and cooling silica unleashed an energy. Crystals broke down and synthesized movement — "dead matter delivering life" was the way it was explained. Silica introduced into organic matter, red-hot heat added,

emerges from its chamber as what appears to be a living form — the bion.

There is a secret to beach sand that, as Maynard Murray put it, has been "blessed by the ocean." Reich may have missed this, but not so with more recent investigators.

Diatoms may act as shards of glass to parasites in the gut, but they are also silica. They too assume the form of living matter under an electron microscope. The acids loaded on them have the earmarks of igniting life. This is nature's process.

These facts stated, we are now required to revisit the genetic code for an in-depth look at number 40, silica, and its relationship to selenium, the critical P-53 control gene for tumor suppression. Readers who have examined *Minerals for the Genetic Code* will recall how Olree converted each protein sequence to minerals. The single most important mineral was silica, but silica, iodine, in fact the general roster of the 64 will not run without selenium. These elements are yoked together.

One of the mysteries of Alzheimer's is that components of the brain break down. Silica is the glue for ligaments that anchor the brain to the skull. It inhibits the mischief of aluminum, the proximate cause of Alzheimer's. To pull aluminum out of the body, silica, calcium and magnesium must pull it through the kidneys.

A look at keratinous tissue such as fingernails tells some parts of the story. Split nails, ridged nails, peeling and softness all tell of silica imbalance or deficiency.

Ligaments that hold a kidney in place, any type of supporting tissue required for strength with flexibility requires silica. This is also true of all plant stems. It is no happenstance that lodging of plants takes place when there is an organic silica deficit. Silica finds its way into the epidermal layer of plants and acts as a barrier against the penetration of invading fungus, powdery mildew, black spot and pythium, for instance. Horsetail has its reputation for uptake of organic

silica, but the payload is likely to be short of human metabolic demand.

Deposits of organic silica in effect wall off bacteria, fungi and insects. This penchant for constructing strength is perhaps better expressed in human anatomy.

THE HUMAN CONNECTION

Everyone knows someone who has replaced a hip or knee joint or otherwise endured a foreign spike inserted into a femur, and the temptation arises to overlook the full scope of silica's intervention. It seems that everyone is taking glucosamine sulfate because it stimulates new cartilage growth that produces the lubricating fluid for joints. The gene that produces the fluid is called *lubricant*. When Olree ran the genetic sequence for this gene, silica was number one.

This finding causes one to reflect on how silica separates one bone from another as being dielectric. Each bone has a different frequency. "It's like putting a sand barrier between two walls," is the way Richard Olree puts it. "The flow of magnetic energy penetrates, but electrical energy does not." Failure of silica lubricant allows joints to grind themselves into oblivion, and certain hell for the patient.

Parenthetically, it must be noted that faltering microbial action in the soil shortchanges the human consumer, even though the trades chest-thump the arrival of more bins and bushels.

Now we arrive at the observation Maynard Murray made for us about the ocean blessing the sand. Research has merely hinted at the complexity of life that rides the ocean waves. When those organisms homestead on a sandy shore, they bestow their action on inorganic sand and make some of it organic.

In *Minerals for the Genetic Code*, we noted that silica is a -4 mineral, as opposed to +4. It controls the -4 electron valences, namely rhodium and lutetium. Both of these are catalysts for other trace minerals such as molybdenum, and possibly silver.

Lutetium is at the bottom of the chart. To cut to the chase, let it be stated that people who are short on silica will develop Alzheimer's simply because excess aluminum cannot be pulled out of the

body, especially out of the brain. Don't stop there. Osteoarthritis is another consequence. Proper collagen formation is inhibited, for which reason wear and tear on ligaments demands a toll — so it's back to that lubricant shortfall.

We are told that a new Alzheimer's gene has been identified. When Olree ran the numbers, he found the role of silica. Some geneticists argue that the genetic package you're born with tells in advance what you'll die of. This is, of course, errant nonsense. The "you'll die of" verdict leaves unanswered the question of what has happened to the P-53 tumor suppression apparatus. Well, if not serviced by silica, it goes off duty. When activated, the P-53 gene is the kiss of death to an errant cell.

Chemotherapy tries to ape P-53, often badly and crudely. Reduced to newspaper language, let it be said that for every form of cancer, God installed a tumor-suppression gene to check any abnormalities. When enough tumor-suppressing genes go to work, the come-uppance moving down the street at high noon is the P-53 gene.

Here is the difference between chemotherapy and P-53: the first annihilates everything in sight; the second, P-53, is cell specific. When the tumor-suppressing gene works, only the errant cells die.

SOURCING KNOWLEDGE

Loïc Le Ribault has credentials from the Sorbonne and half a dozen adjunct degrees dealing with oceanography, soil science, geomorphology, microanalysis, etc. — the etc. including police forensics for the court of Bordeaux and Paris, France. His story isn't short, but what is of interest here is that he has emerged as a world icon in dealing with silica. He once stood on the shoulders of science, and then he eclipsed all the giants because of a discovery made in his laboratory.

In 1995 Le Ribault pulled one of his several dossiers off the shelf to reexamine an explosive insight he'd encountered 20 years earlier. He called the file "G-5," and it had to do with silica, organic silica.

Mineral silica is found in its amorphous state and in crystalline form in such abundance that, as an old Irish saying has it, "it isn't worth much, or

strangers would have taken it away years ago." Organic silica is of a different stripe. It has one or more atoms of carbon associated with hydrogen in its molecular structure. It is absolutely essential in all living matter — plants, animals and human beings. Research reveals that it is found in significant amounts in cartilage, in the walls of blood vessels, and in glands and organs — the thymus, adrenals, liver, spleen, pancreas, you name it.

Le Ribault's own words are well worth quoting: "With age, the amount present in the body dwindles irreversibly, since the human system is incapable of transforming the mineral silica ingested from food and drink into organic silica." The human organism cannot absorb inorganic minerals without the intervention of microorganisms, an observation hinted at by Maynard Murray's vision of the ocean blessing the sand. He might well have added, "When organism-rich ocean waves bless the sand." There are many life forms that can do the conversion. Diatoms come to mind, as do certain fungi and other select microorganisms. Humans, however, do not know how.

In 1957 Norbert Duffaut, an organic chemist at the University of Bordeaux, actually synthesized an organo-silicate molecule. It was stabilized with salicylic acid. It proved effective in therapy and was named *G-1*. Unfortunately, Duffaut's molecule could not be used with patients allergic to salicylates, notably aspirin. *G-2* followed, and both forms were promptly folded into medicine. Duffaut treated patients with heart disease, rheumatism and cancer. Even the professional press published articles extolling the value of *G-1* and *G-2*. However, it soon became apparent that official medicine and the pharmaceutical industry wouldn't budge. Duffaut's career came to an end in 1993, when he was found dead under mysterious circumstances — poisoned by potassium cyanide — although the authorities ruled it a suicide.

Others picked up on silica, and prizes were awarded here and there, but no mention of Duffaut anointed the ceremonies. Yellowed files from that era tell of cures (a forbidden word in the FDA lexicon) of Carre's disease, cholesterol problems, hypertension, cirrhosis of the

liver, mastitis, asthma, chronic bronchitis, even canine hemorrhagic enterocolitis. Even patients who were also on chemotherapy for cancer suffered fewer side effects, and no hair loss.

LE RIBAUT

Le Ribault flirted with silica as early as 1970. "When I discovered the exoscopy of quartz . . . I showed that certain quartz crystals are coated with a thin film of amorphous silica," Le Ribault wrote in his door-stopper of a biography, continuing, "It is soluble in water."

Moreover, he found microorganisms and diatoms on the surface of grains of beach sand. He credited the microorganisms with conversion of mineral silica to organic silica via organic acids they secrete. It was a monumental discovery, one that put to bed man's puny efforts to synthesize nature. The door flew open the day Le Ribault immersed one hand into the organic silica his efforts had produced. His psoriasis disappeared. He treated the second hand the same way with the same results.

In my mind's eye, I have to revisit my own book, *Fertility from the Ocean Deep*. Seawater is so full of life, it takes a microscope not even invented when physician Maynard Murray first stepped aboard an ocean trawler to study whales. In a roundabout way, those ocean experiments and Le Ribault's understanding of how near-worthless sand can become

organic silica, now produced in the Old World for a fresh infusion into a faltering American health profile, is more exciting than an 80-yard run to the goal at Notre Dame, or your favorite school, if you will.

The idea that came from the sea locks silica into the two books that seek to lift trace minerals — silica included — out of guesswork and into real science. In *Minerals for the Genetic Code* we show silica connecting the pericardial or arterial vessel in general to the ability to sustain energy from the intestinal tract. In short, silica is the mineral that keeps the body's energy flowing. Readers who wish to study the ramifications of -4 and +4 with noble gases, iodine, selenium and phosphorous, will find that silica in the latticework governs all negatives. Carbon, in turn, dominates all the positive minerals. The long story becomes short when we note that organic silica combines -4 and +4 into a silica-carbon unit. That is what makes Le Ribault's molecules different from anything available to human patients, farm husbandrymen and plant growers.

At another time in another column, I hope to enlarge on this story. For now it is enough to return to G-1, G-2, and mention G-5, now available from several distributors, including the chief American contact, Matt Yanke in Farmington Hills, Michigan, and the only practitioner I know who uses the Le Ribault

silica with his patients, Richard Olree of Hillman, Michigan. Results speak for themselves, with or without triple-R, statistically significant peer review — if you ask the patient.

For more information on Le Ribault's "living silica," contact Matt Yanke or Michelle Oliveri at Products for Nature, 22906 Mooney Street, Suite 12, Farmington Hills, Michigan 48336, phone 248-473-4453.



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