

News Letter7-22-11

MAKE IT A GOOD DAY !!

Notes from OMENERGY

Last week we announced our new Organa Mineral Drink and the response from the Membership has been wonderful. It is gratifying to us to be able to find a superior product at a dramatically reduced price. Our approach to the information about this new product is one of complete openness and candor. Unlike most of the companies in the fulvic / humic marketplace, our supplier presents full information about the minerals contained in his product and the preservatives that he must use in order to protect the quality and efficacy of his product.

A few Members raised questions about the preservatives used and about some of the minerals present that might often be considered undesirable if you don't understand the difference between organic and inorganic minerals.

We invited Sam's response to these questions, and if you would take the time to review his comments in the body of the Newsletter, I think you will be impressed. We stand behind this product and continue to think that we have located the finest fulvic mineral drink available anywhere and at a remarkably affordable price.

The Organa Mineral Drink is worthy of your attention. There is probably no better way to provide such a broad spectrum of minerals to your body in a 100% bioavailable form. Now that it is so affordable, you really should consider making this a solid part of your daily regimen, and don't forget your children and your pets. Perhaps as soon as next week, we will be able to offer a gallon-size Organa Mineral Drink at an even better value. Get started with the quart size and as you convince yourself of how important this product is, you can transition to the even more affordable gallon size.

There has also been a wonderful response to our new Manna Clay Poultice, so much so that we ran out of our initial supply of jars. For a couple of days we were not able to fill orders, but today we got new stocks in. Like the Organa Mineral Drink, very soon, we will be able to offer a larger size for even greater value, perhaps as early as next week. Stay tuned! We are getting great feedback about the Manna Clay Poultice. Tori included a couple of testimonials in the body of the Newsletter.

I still say that this is one product that we will keep hearing more and more uses for. Psoriasis, rosacea, arthritis, broken bones, ingrown toenails and the list will go on and on. I recall that the Living Clay has enough drawing power to even remove tattoos, so I wonder how much more effective the Manna Clay Poultice will be. If you have a tattoo that doesn't exactly thrill you anymore, you might want to give Manna Clay Poultice a try. You have the assurance of our absolute guarantee of satisfaction. If it doesn't work for you, you can always get a refund.

Even though it is getting late, I want to raise a very serious concern about radiation. Earlier this week, Fred sent me this link to a set of YouTube videos of an independent researcher's finding of radiation in southwestern Canada as he drives across Canada from west to east. The radiation levels he is discovering are simply SHOCKING! We are NOT being told the truth about the radiation to which we are being exposed. [View here.](#)

With that opening revelation about the radiation that is becoming a dangerous reality in our lives, I want to remind you again that our Essence of Iodine offers you protection from every form of radiation that we know of. You may recall that we originally offered Essence of Iodine as a protection from radioactive iodine. Then Fred realized that he could expand the scope of the Essence of Iodine to cover many other radiation issues and forms, and for at least four months every bottle of Essence of Iodine that we sent out has all of those additional protections but the price remains the same.

A while back I called for volunteers to send saliva samples to Fred so that we could begin testing of radiation loads of the subject and then do follow-up testing to see how their radiation loads would be impacted by taking the Essence of Iodine. We are finding our results to be quite stunning. Our first six subjects have been taking the Essence of Iodine for three weeks now, and as of yesterday, ALL SIX subjects are showing "zero" radiation.

We have been maintaining charts on each of the subjects and I have chosen the charts of two of the first six subjects to show you our results. The other four subjects had very similar progress and the very same final result. This is noteworthy -- pay attention! We are being lied to and the truth of the dangers is

being hidden from us. Take your welfare and that of your family and loved ones into your own hands. I will present the charts first and then explain a little about

ESSENCE OF IODINE RESULTS

TESTING FOR:	Bobbie
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LOCATION:	San Francisco
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DATE:	7/1/11	7/6/11	7/13/11	7/20/11		
Radiation General	1000	550	300	0		
Barium (R/A)	700	450	250	0		
Cesium 132	1000	650	300	0		
Cesium 134	500	400	150	0		
Cesium 137	0	0	0	0		
Cobalt - 1	700	500	250	0		
Cobalt - 2	400	150	50	0		
Cobalt - 3	0	0	0	0		
Cobalt - 4	0	0	0	0		
Radiation Fallout	1100	650	350	0		
Gamma, A Bomb - 1	450	250	150	0		
Gamma, A Bomb - 2	0	0	0	0		
Iodine R/A	900	350	150	0		
Plutonium 1	800	450	250	0		
Plutonium 2	1000	400	250	0		
Strontium 90 - 1	1200	750	250	0		
Strontium 90 - 2	1000	650	250	0		

the chart and the protocol we are following.

ESSENCE OF IODINE RESULTS

TESTING FOR: **Doug**

LOCATION: **San Francisco**

DATE:	7/1/11	7/6/11	7/13/11	7/20/11		
Radiation General	1100	800	400	0		
Barium (R/A)	800	350	215	0		
Cesium 132	900	500	250	0		
Cesium 134	500	250	200	0		
Cesium 137	0	0	0	0		
Cobalt - 1	600	300	150	0		
Cobalt - 2	600	500	250	0		
Cobalt - 3	0	0	0	0		
Cobalt - 4	0	0	0	0		
Radiation Fallout	1300	650	250	0		
Gamma, A Bomb - 1	400	100	50	0		
Gamma, A Bomb - 2	0	0	0	0		
Iodine R/A	1000	475	250	0		
Plutonium 1	700	250	50	0		
Plutonium 2	600	400	200	0		
Strontium 90 - 1	800	550	400	0		
Strontium 90 - 2	700	350	200	0		

Note that the charts track 17 different variations of radiation, the first being general radiation which would cover x-rays, cell phones, microwaves and such that we have accumulated during our day-to-day lives. Then the charts track three types of cesium, three types of cobalt, two plutonium and two strontium 90, etc. Fred is

able to test for the presence of each of these types of radiation, and the Essence of Iodine offers protection from each of these types.

The work that Fred is doing, both in testing and in remediating radiation, is energetic in nature as are his Liquid Manna Regular and Liquid Manna Royal. If you are at all familiar with the concepts of homeopathy, radionics and quantum physics you can get an idea of how this works. Please understand that I am not revealing anything in particular about the technology Fred uses because I simply do not know how he does his magical works. Rather, I am conveying the fields that I have studied and draw upon to get my head around what he is able to accomplish and find a way to convey the concepts to you.

Saliva samples are being sent to us from high-risk areas around the world to enable us to expand our testing. With a saliva sample, Fred is able to "tune" in to the frequency or "signature" of a subject and then read their radiation loads. As the subjects take the Essence of Iodine Fred can again "tune" in and monitor their progress. Similarly, he can detect that they are being exposed to new radiations.

Our results are so consistent that we are now confident that anyone can most likely zero out their accumulated radiation by taking 12 drops per day of Essence of Iodine for three weeks. We believe that after three weeks, people can protect against new radiation exposure by simply taking 12 drops per day for several days per month. We will do follow-up testing to verify this conclusion. Considering the number of drops in a bottle of the Essence, a single bottle is about enough for a family of three to bring their radiation levels down to zero. This is a huge value, particularly since there is virtually NOTHING else out there that can accomplish this at any price. A bottle of Essence of Iodine is a mere \$32. Hurry, hurry while supplies last (grins.) My son, Dave, is tracking down some equipment we can use to validate our results with a very physical test for radiation.

Q&A about Organa Mineral Drink

We are very happy with the openness and willingness of our supplier of Organa to educate us further on fulvic acid minerals. Since Sam is so straightforward about his product, we wanted to follow suit and listed all the ingredients included in this product. What follows are concerns from two different members about the ingredients. When our assurances did not assuage their concerns, we asked Sam to address them which he does. Maybe his response will somehow help you.

Q: (1) The new Organa Mineral drink has two preservatives added to it. As I know you are into organic foods, etc., I am surprised that you have allowed the two preservatives added to this product. Sodium benzoate has a lot of bad press; it causes hyperactivity and when mixed with vitamin C, releases benzene -- a known carcinogen -- and damages DNA. Potassium sorbate is not as toxic but can cause allergic reactions, diarrhea and nausea.

I wonder why the manufacturer could not use a more natural preservative -- there are many available today -- or even produce the product in a more concentrated form, thus needing less or no preservative.

(2) Did the former Humic Fulvic Minerals contain preservatives? I did not see it on the label.

Thank you. I do not like to be critical in any way; however, I do like to know what goes into my body.

David: All that I can do is forward this to Sam for his feedback. We have found Sam to be completely open and honest. I know that he considers it very important to have a preservative, and I also know that he is seriously searching for a better alternative.

A serious issue we had with our previous supplier is a lack of openness and candor. We don't know if he uses a preservative or what it might be. We don't know if the mine he uses has a high inorganic content and, if so, what chemistry he would use to remove it. We do not know the percentages of the minerals in his product or even which minerals are in it. Sam advises us that there are some telltale mineral percentages that indicate inorganic minerals had to be chemically removed, but we have no way to know that regarding the previous product.

Libby has found this product (Organa) to be energetically and physically superior . . . for whatever that is worth. If Sam's answers are not satisfactory, we will just have to wish you well in locating another source.

Sam: The plain and simple truth about preservatives is that there are no natural preservatives that will completely take care of the naturally-occurring bacteria, molds and yeast that exist in the environment of our raw plant material. I have been searching diligently for years to find a preservative that meets my criteria for naturalness, organicity, no side effects or allergic tendencies. I have tried many different ways, including the use of light and electric probes, to infuse frequencies into the product to act as a growth inhibitor for the organisms in question. I have also used several micro organisms from kombucha tea to try to act as inhibitors. So far our drink is simply too nourishing to the microbes to have the desired effect. The search continues without abatement. I have basically concluded that I must make my own preservative. I am to the point that I have identified several items that work, and I am now to the point where I must find a way to get these items into a water-based system which they do not naturally want to do. At this point in time, the benzoate and sorbate are my best options. They are in the metabolic path and are acceptable throughout the food industry. Nevertheless, these items are as unacceptable to me as they are to your customer. I have lost hundreds of thousands of dollars in lost clients and refunding clients for moldy product as I did my best to avoid these preservatives in the early years of our business. It boils down to a matter of basic survival for me. In spite of the use of these two preservatives, I still have the most effective and natural mineral drink in the marketplace today.

If someone is so concerned about the interplay between vitamin C and the benzoate, please advise them not to mix my drink with vitamin C. I may even put that caution on the label. In spite of the negatives, they will experience much better health benefits from the use of our drink than they will from the use of any other brand. I can say that because I know how they process their products.

I have worked hard and spent thousands of dollars to find the lowest effective use of these preservatives. At this point in time, our usage level is less than one-tenth of 1%. For such a small usage level, the FDA exempts me from even listing these items on my label. Due to industry's and the medical community's heavy over-use of antibiotics, many strains of bacteria, viruses, molds and yeasts are mutating resistances to antibiotics faster than science can keep up. Because of this fact,

the medical community and industry generally are in a panic today and don't know how to cope with this phenomenon.

That is the skinny on our preservative situation. I hope this answers the questions on this subject. In the meantime, I am moving forward in my quest to eliminate the subject items from our product line.

Q: I am considering the use of this new product but noticed that it contains mercury, fluoride and lead, all of which are usually not considered healthy for the body. In fact, many people go to great lengths to detox them from the body. Could you please give me further information about the safety of this product in this regard?

Tori: I questioned our supplier about this as well. His answer is that these are in organic form, found naturally in fulvic acid in trace amounts and are utilized in a positive fashion in the body. We believe the reason Organa tests so strong and effective is because of the lesser amount of processing Organa does on the fulvic acid.

I speak only for myself but now have the impression that not all the ingredients may have been listed on the label of our former product. We only know what we are told.

Response: Mercury, lead and fluoride are usually in an organic form when they are present in fish, toothpaste and paint, etc. So I'm not so sure that this reassures me. I want to trust the product and give it a try, but my conditioning has always been to avoid these particular minerals so it is challenging to intentionally ingest them.

Sam: The mercury, lead and fluoride found as additives in various foods and medicinals like toothpaste and vaccines are not organic. In order to be separated as single items, they must necessarily begin their life as an additive in the inorganic form, mined and then refined as a single inorganic element. Fluoride is a by-product in the manufacturing process of aluminum and other items and as such is listed by the EPA as a very toxic substance that requires expensive specialized procedures to legally dispose of. Someone then decided that they could make money by putting this toxin into our water and food supply, thereby solving the disposal problem and make big bucks at the same time.

The only way any element can become organic is to first be acted upon by fulvic acid while yet in the soil, and then it must finish its transformation from inorganic to organic within a living plant. This is our great Mother Nature's process which cannot be duplicated by an arrogant scientific community. No multi-lettered, egocentric, would-be scientist can duplicate this great miracle of Nature. These natural organic elements cannot be singled out and separated from the context of the natural matrix in the fulvic acid molecule without changing and damaging the organic naturalness of the individual element and the solution in which it is found.

Any time we eat fruits or vegetables, we are eating the organic form of lead, arsenic, mercury, etc. These items and others in the periodic table of elements in their organic form are necessary for the health and well-being of all living organisms on planet earth. When these and the other elements are ingested in the inorganic form, they become toxic poisons to most all living organisms.

If they are yet in doubt after this explanation, you may try advising them to ask the Creator of all life to bless the food they eat to be healthy and good for their well-being as the Creator designed it to be before someone decided to make money by processing it to death. Hope this helps.

Read more about Organa Mineral Drink at www.Productsknowledge.info. Request a free CD in your order or email us with your request.

Magnesium: A Diabetes Preventive

Diabetes isn't something that anyone wants to have to deal with, and a study out of the University of North Carolina at Chapel Hill suggests that getting the right amount of magnesium could be a very effective way to make sure you don't have to.

Researchers discovered that participants who took in the highest amounts of magnesium -- whether from foods or vitamins -- were half as likely to end up with diabetes 20 years later than the participants who took the lowest amounts of magnesium.

Experts have a couple of theories about how magnesium reduces diabetes risk. First, it is conceivable that magnesium is used by the body's enzymes to process glucose, thus reducing the risk of diabetes. Researchers also noted that increased

levels of magnesium were correlated with decreased inflammation and less resistance to insulin, the hormone that regulates blood sugar levels.

So how much magnesium did the participants take? The people who took the most consumed about 200 milligrams of magnesium per 1,000 calories. The people who took the least only consumed roughly 100 milligrams per 1,000 calories. The difference was significant: those who didn't take enough magnesium were 53% more likely to develop diabetes at some point down the road.

While researchers call for more studies to get the specifics, I will say what I have said before: we are overly concerned about calcium consumption when we should really be paying attention to increasing our magnesium intake. This latest study is further evidence of this assertion. I have never been a huge proponent of calcium supplements. Yes, calcium is a necessary nutrient, but its overuse as a supplement has been connected to a plethora of health concerns from heart disease to arthritis. I continue to assert that the only reason the recommended dietary intake for calcium is so high is because it makes a great advertising campaign for the dairy industry who funded some of the initial studies used to establish the RDI. And what makes that especially pathetic is that dairy is a terrible source of calcium, actually causing a net loss of calcium in the body because so much is required to buffer the high levels of phosphorus in dairy.

The fact is that you need at least enough magnesium to offset your calcium intake. Without it, you could be in danger of developing hardened arteries, diabetes, arthritis, and senility. Magnesium is responsible for jumpstarting nearly 400 enzyme reactions inside your body. So a deficiency can wreak havoc on literally hundreds of different body processes.

Compounding the problem is your body's inability to store magnesium for use later. You really need more magnesium than calcium in your diet. The medical establishment still has it wrong though, telling everyone to consume two times more calcium than magnesium.

In reality, the opposite is true. You need much more magnesium than is recommended because your body requires it for so many different things and it's a hard mineral to absorb. Too bad it's the mineral that is most likely to be undervalued in most diets and supplements. Source: www.jonbarron.org

We offer extensive information on magnesium at www.ProductsKnowledge.info.

Clarification on Living Clay?

Q: I am unclear on a clay issue. I understand that clay attracts the metals, toxins, etc., with its negative charge, but I also have read on your site about the silica in clay that is good for the body; this is where I am confused. If the clay contains a variety of minerals, are they absorbed 'into' the body? Apparently so, or the silica would not get in and be of any use. How do we know what other minerals we may be absorbing from the clay? For instance, I've seen some clays with iron content in the three digits, milligram-wise. That's a high dose of iron to be consuming, which one would think could lead to iron overload. I am just using this as an example, but my real confusion is how can the clay absorb toxins into it and wait to be excreted from the system, and at the same time allow the body to absorb minerals 'from' it. How is it that the toxins aren't absorbed along with the minerals?

I am using clay for detox purposes, but I am concerned about what the clay is giving to my body and at what levels. I am sure there is a simple explanation, but I didn't find it in my reading; it only sounded more conflicting. I would be very appreciative if you could illustrate to me exactly what is happening with the clay.

Perry A~: It is complicated chemistry between the body and clay. I am going to attempt to explain what I and many chemists and biologists don't fully understand. First of all, the clay particle is too large to pass through the colon wall into the bloodstream; that said, there is the cation exchange layer on the outer edges of the clay, the adsorption surface, which holds specific minerals such as calcium, magnesium, potassium, sodium ammonium NH_4^+ (the basic cations) that are loosely bound and can be exchanged for a strong positive ion. It is called cation exchange rate. The amount of these exchanged is not enough to meet daily supplemental needs, so clay is technically not a supplement source.

For more understanding, a living clay is one capable of change through balancing, transformation, stimulation and interactive exchange of elements and energy. A rock, on the other hand, is incapable of transforming itself from within. It can only change from outside influences including weathering by heat, wind and water.

Raymond Dextreit in his book, **Earth Cures**, explains it this way. "*It is not possible*

to foresee exactly what will happen with clay applications, especially at first. (It reacts differently to each individual's body chemistry and needs.) But in every case there is a remarkable improvement, if not a complete healing. As there are no dangers to fear, there is no reason to oppose giving it a try, even for an extended period of time."

Louis Kervan calls it bio transmutation. Louis Kervran, the French scientist, world-famous for his provocative work on biological transmutations, writes about a shrimp that lives in clay: "*It has been known for a long time that living organisms inhabit clay without any organic supply of food from the outside. The Niphargus shrimp lives in the clay of caves. 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, phosphorous, and calcium, etc.*" Therefore, clay is a live medium which helps generate and maintain life.

Clay is a catalyst that helps the body heal itself. It is like the body and clay communicate with each other and the body, through enzymatic action and other possible action, can work with the clay to make what it needs. (Clay is a nano crystal capable of memory.)

"One can only marvel at what clay can do. The same teaspoon of clay can cure an obstinate carbuncle (an abscess or boil) and tenacious anemia equally well. Curing the carbuncle is explained by clay's absorbent power, but anemia?! Clay is particularly rich in certain diastases and enzymes. Some of these diastases, the oxidases, have the power of fixing free oxygen which explains the purifying and enriching action of clay in the blood." Raymond Dextreit, **Earth Cures**.

"One of clay's peculiarities is based on its physical-chemical domination. From a thermodynamic point of view, clay cannot be the sole source of the energy of the phenomena it produces. Clay's effect as a dynamic presence is far more significant than the mere consideration of the substances it contains. It is much more than its chemical analysis shows it to be." Raymond Dextreit

So the answer is that we are still looking. Truthfully, when I started reading about silica, I could see how it could influence the healings I have seen and was unable to

explain . . . the fact that it is a natural analgesic, that applications of clay over bones cut the healing time in half, how drinking clay relieved terrific pain attacks from a young boy blind from a glaucoma birth defect.

What I do know is it removes toxins and pain and it works, and I have never known anyone to die from clay. They may have a temporary detox reaction, but it will not damage body organs. As Raymond Dextreit says, "*As there are no dangers to fear, there is no reason to oppose giving it a try, even for an extended period of time.*"

Personally, I think it has a spiritual component to it. After all, God made man from clay and God made clay. Go figure.

Sorry to have confused you in my excitement to uncover yet another link in the mystery of how clay works.

Read much more about Living Clay at www.ProductsKnowledge.info.

Feedback

Manna Clay Poultice and Rash/Infection . . . While I was making the first experimental batch of Manna Clay Poultice in the lab, my sister-in-law stopped by to go to lunch. We talked about what I was making and the possibilities for the new product. She showed me a rash that she has had on her hand for a number of years. This is really a skin infection more than just a rash. I bottled up a trial sample for her to take home and try.

She applied the Poultice each evening before going to bed; she works with her hands during the day, ironically as a clay sculptor, and so could only spare the use of her hand overnight. She applied a generous amount of Manna Clay to the rash and then wrapped that with cling wrap as we had instructed.

From the very first night, she began to experience relief from the itching with which she had lived for years. By the end of the week the rash had disappeared. She continues to use the Poultice each evening, because she is beginning to see the scarring from the infection disappear. P.J., Texas

Manna Clay Poultice and Ingrown Toenail For over a month I had an ingrown toenail that eventually became infected. I couldn't touch my toe to cut the nail or even wear closed-toed shoes. I work on my feet all day, and the pain of standing and walking was making me miserable.

For two weeks I wore open-toed shoes to help with the pain, but I was worried because the infection was open to dust and dirt and people stepping on my wounded toe.

I started cleaning it with alcohol and hydrogen peroxide which did help with the infection, but it was still swollen and the pain was the same. Every time I tried to dig the nail out it was so painful that I couldn't get the nail cut.

After work for four days I soaked my foot in Royal Liquid Manna water. The pain was going away, but it was still swollen and the nail still was buried in my skin.

I used the Manna Clay Poultice all day at work. The swelling began to go down the first day I started using it. I went to bed with the Poultice on my toenail. That weekend I

went to apply some more to my toe and found that the swelling was gone!

On Monday I woke up and saw that my toenail was no longer buried in my skin any more! So I carefully touched the nail -- it came out like a little flake. I didn't have to dig because the nail that caused me so much pain was gone!

I was truly thankful for those two amazing products the Royal Liquid Manna and the Manna Clay Poultice. Together, they helped me with my toenail problem and kept me from having to go to a doctor to have it cut out. P.C., Texas

FYI

Smart Meters

Have you heard about Smart Meters? [View here](#). Libby's comment: Here in the

U.S. smart meters have not made the inroads they have in Australia. I sure notice my prices have increased exponentially, let alone consideration of their negative frequencies. Silver foil is one suggestion apparently.

Lack of Vitamin D Linked to Muscle Injuries and Alzheimer's

Vitamin D discoveries keep growing -- [learn more](#). Get your supplemental vitamin A, D, E and K in Nature's perfect ratio from our fish oils.

Got Milk? Got Chemicals!

Scientists find a mass of synthetic chemicals in a glass of milk. If you're surprised, [read here](#).

Coming in 2012: Genetically-Modified Front Lawns and the Mass Spraying of Neighborhoods and Playgrounds with RoundUp

(Natural News) Thanks to a recent admission by the USDA that it does not have the regulatory framework to even regulate *GMO's*, the world of biotech is set to unleash a tidal wave of genetically-modified seeds upon the United States. This is the upshot of Scotts Miracle-Gro challenging the USDA over its *GMO* grass seeds, to which the USDA threw in the towel and essentially announced it can't technically regulate many *GMO's* at all.

Welcome to the new world order of *GMO* self regulation, where the companies that produce the *GMO* seeds now get to regulate their own behavior!

(<http://motherjones.com/tom-philpott>)

Scotts Miracle-Gro is now moving full speed ahead on its *GMO* yard grass product, which could theoretically be introduced into the marketplace as early as 2012. This is a home consumer yard grass seed which, of course, resists glyphosate (RoundUp), and its introduction into the marketplace would almost certainly result in millions of homeowners across America planting these seeds in their yard and then spraying RoundUp across their entire lawn as a "treatment" for eliminating weeds.

RoundUp, in other words, may be coming soon to a neighborhood near you. And it's not just the lawns, either: This combination of Scotts *GMO* grass and RoundUp chemicals could be used on playgrounds, schoolyards, community centers and parks.

Once this goes into production, there will be virtually no place your family can go in America that isn't contaminated with genetically modified grass seeds and toxic glyphosate chemicals.

[Read more](#) and take action. Read why this is important and take action.

Lighten Up

Tucker and His Music

[View](#) this video of pup Tucker who likes to play the piano and sing. His folks say that even with daily practice, he doesn't seem to improve.

Human Planet

BBC brings you this video of scenes from various places and cultures around the planet. Looks like pages from *National Geographic*. [View here](#)

Beautiful Grains of Sand

Viewed at a magnification of over 250 times real life, tiny grains of sand are shown to be delicate, colourful structures as unique as snowflakes.

When seen well beyond the limits of human eyesight, the miniature particles are exposed as fragments of crystals, spiral fragments of shells and crumbs of volcanic rock.

Professor Gary Greenberg who has a PhD in biomedical research from University College London said: 'It is incredible to think when you are walking on the beach you are standing on these tiny treasures.'



Magnified: The grains are shown to be delicate, colourful structures each as unique as a snowflake.



© Professor Gary Greenberg / SWNS.

The miniature particles are exposed as fragments of crystals, spiral fragments of shells and crumbs of volcanic rock.

The Wishing Well



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