

<http://www.lyghtforce.com/WhiteGold/ormus.htm>

QUEST FOR THE PHILOSOPHER'S STONE

In the late 1970s an Arizona farmer named David Hudson noticed some very strange materials as he was doing some gold mining on his land. Hudson spent several million dollars over the following decade figuring out how to obtain and work with these strange materials.

In 1989 David Hudson was granted patents on these materials and methods for obtaining them. Two of these patents can be found on the World Wide Web at:

<http://monatomic.earth.com/david-hudson/patent-us-1.html>

Hudson's British Patent

<http://monatomic.earth.com/david-hudson/patent-oz.html>

Hudson's Australian Patent

During the early 1990s Hudson toured the United States giving lectures and workshops about what he had found. Transcripts of portions of three of David Hudson's lectures are available on the Web. The most complete of these transcripts is the transcript of his Dallas lecture and workshop. You can find this transcript on the Web at:

<http://monatomic.earth.com/david-hudson/1995-02-dallas-toc.html>

Hudson's Dallas Lecture and Workshop

The two other Hudson transcripts can be found at:

<http://www.cris.com/~Notnorml/alchemy2.html>

Hudson's Portland Lecture

<http://www.eskimo.com/~billb/freenrg/hudson.txt>

Hudson's Portland Lecture

<http://elaine.teleport.com/~boydroid/gold.htm>

Hudson's Virginia Beach Lecture

DID HUDSON FIND THE PHILOSOPHER'S STONE?

Since ancient Egyptian times, alchemists have worked in secret to produce something called the Philosopher's Stone, or the Elixir of Life. The materials that Hudson and other researchers have found are believed to be related to the Philosopher's Stone. The materials have been called ORMEs, monoatomic gold, white gold, white powder gold, ORMUS, m-state, AuM, microclusters, and manna.

David Hudson calls the materials he found **Orbitaly Rearranged Monoatomic Elements or **ORMEs**. He also refers to them as monoatomic elements in a high-spin state.**

Since Hudson has patented his process for obtaining and identifying these elements, we would like to suggest that the terms ORMUS and m-state be used when referring to this state of matter.

The ORMUS or m-state materials are thought to be the precious metal elements in a different atomic state. The following elements have been identified in this different state of matter (these elements, with the exception of mercury, are listed in Hudson's patents):

KNOWN ORMUS ELEMENTS	
Element	Atomic Number
Cobalt	27
Nickel	28
Copper	29
Ruthenium	44
Rhodium	45
Palladium	46
Silver	47
Osmium	76
Iridium	77
Platinum	78
Gold	79
Mercury	80

All of these m-state elements are abundant in sea water. According to David Hudson's discoveries, these elements in their m-state may be as much as 10,000 times more abundant than their metallic counterparts. There also may be other elements which occur naturally in the m-state.

Various researchers, working independently, have identified these materials in this different state of matter. They have arrived at many of the same observations.

These m-state elements have been observed to exhibit superconductivity, superfluidity, Josephson tunneling and magnetic levitation. It looks like these are an entirely new class of materials.

These m-state elements are also present in many biological systems. They may enhance energy flow in the microtubules inside every living cell.

It appears that this state of certain of these elements has been known throughout history. Several of the procedures for extracting or making ORMUS have been adapted from ancient alchemical texts. We believe that the Philosopher's Stone and the Biblical manna are both variations on this state of matter.

Some recommended alchemical texts related to the Philosopher's Stone are "Sacred Science" by R.A. Schwaller De Lubicz and "Le Mystere des Cathedrales" by Fulcanelli, available from Amazon.com. Another source is "Occult Chemistry" by Leadbeater and Besant. The premier treatise on the subject may be "The Secret Book" by Artepheus which is available at this Web site:

<http://www.levity.com/alchemy/artephiu.html>

There may be several paths to the Philosopher's Stone. There may even be several different Stones. More research on the nature of m-state is needed. Since the ORMUS materials are much more prevalent in nature than their metallic counterparts, they can be extracted with some time, effort, and understanding. We invite others to join in the quest for knowledge of these materials.

THEORIES FROM PHYSICS AND CHEMISTRY ABOUT THE M-STATE ELEMENTS

The following information is presented to promote scientific research into the nature of these materials. Although these theories are based on our best knowledge at this time, further scientific research may prove some of these theories to be inaccurate. Remember that the following are just theories.

A monoatomic element has one atom per molecule; a diatomic element has two atoms per molecule. Certain elements in a monoatomic or diatomic configuration can form a stable structure where all of their electrons are Cooper paired, and so are not available as valence electrons (more on this later). Elements in this configuration are superconductors at room temperature and exhibit other quantum physical behaviors at a visible scale. Some of these quantum physical behaviors include:

- Anomalous responses to gravity
- Superfluidity
- "Tunneling" through solid objects
- Deformed nuclei in a high-spin state

One term for these materials is microclusters. Microclusters have been described as follows on a [microcluster forum](#):

"A microcluster is a small chemically inert cluster of atoms that has definite crystalline structure. They can be synthetic, however for this work an assumption is that the natural microclusters are forms comparable to the man-made microcluster. Microcluster research started with natural occurrences. Clusters exist as molecular species which can substitute and mimic various elements for one another. Microclusters can be as large as 200 or more atoms. Certain atomic examples for each atom are rare; the rarity is due to current physical chemistry concepts. Research has demonstrated that natural micro-clusters are superconductors; they are Cheshire in that they can disappear and avoid chemical

detection by conventional means. Most, if not all, have catalytic properties; they are magnetic or can be induced to have electromagnetic properties; and they can form giant inert ions which I call Mega-ions."

ORMUS AND BECs

Physicists have recently created a new state of matter (which we believe is related to ORMUS) in the laboratory. This state of matter is called a Bose-Einstein Condensate (BEC) after Satyendra Nath Bose and Albert Einstein who postulated the existence of this state of matter in the 1920s. Their theory was not "proven" until BECs were created in the laboratory in 1995 by Eric Cornell and Carl Wieman in Boulder, Colorado. They did it by cooling atoms to a much lower temperature than had been previously achieved. This temperature was a millionth of a degree above absolute zero.

Absolute zero is the temperature at which all atomic movement ceases. When atoms are cooled near absolute zero, they move much more slowly than when they are at normal temperatures. David Hudson postulates that his ORME atoms have a natural internal temperature which is very close to absolute zero. This may be why they can be Bose-Einstein condensates at room temperature and higher.

A Bose-Einstein Condensate is a group of atoms which are all in the same quantum state. Such a group of atoms consequently behaves, in some ways, as a single atom. Superconductors are a form of BECs and so are superfluids.

You can read a simple description of what BECs are and how they work on the [BEC homepage](#).

Here is an explanation of how BECs, superconductors and Cooper pairing inter-relate from the American Institute of Physics web page titled "BECs, Superconductors, and Cooper Pairing":

"A superfluid is a liquid that flows without viscosity or inner friction. For a liquid to become superfluid, the atoms or molecules making up the liquid must be cooled or "condensed" to the point at which they all occupy the same quantum state. A liquid of helium-3, an atom whose nucleus is made up of an odd number of particles, is a type of particle known as a fermion. Groups of fermions are not allowed to occupy the same quantum state."

"By cooling the liquid to a low enough temperature, helium-3 atoms can pair up. The number of particles in each nucleus adds up to an even number, making it a type of particle known as a boson. Groups of bosons can fall into the same quantum state, and therefore superfluidity can be achieved. Helium-4 (middle panel), a boson, does not need to pair up to form a superfluid; groups of helium-4 atoms condense into the superfluid state at about 2 degrees above absolute zero. Superfluidity, especially the kind that exists in helium-3, is analogous to conventional low-temperature superconductivity, in which electrons flow through certain metals and alloys without resistance. In a superconductor (right panel), electrons, which are fermions, pair up in the metal crystal to form "Cooper pairs," bosons which can then condense into a superconducting state."

THE DIATOMIC NATURE OF SOME M-STATE MATERIALS

The following elements, which are known to have an m-state, have an odd number of electrons and protons:

Cobalt
Copper
Rhodium
Silver
Iridium
Gold

In order for these atoms to be superconductors in the m-state, they must be at least diatoms.

The m-state of gold and other precious elements is different from the metallic state of these same elements. For example ingesting m-state gold has different effects on the body than the effects of ingesting metallic gold. What makes the ORMUS state atoms different is that they will not form metal-metal bonds with their own kind.

They won't form metal-metal bonds because their valence electrons are not available to form normal molecular bonds. This is because each electron is paired up with another electron in a Cooper paired state. When electrons are Cooper paired, they cease to behave as particles and begin to behave more like light.

Since you must have an even number of electrons in order for every electron to pair up with another electron, you cannot have the m-state of any element which has an odd number of electrons without having at least two of these atoms paired up.

For example, iridium has an atomic number of 77. This means that iridium has 77 electrons. 76 of these electrons could pair up but that would still leave one electron available for bonding with another atom in a compound. But if you had two atoms of iridium with mingled nuclei and electron clouds you would have 154 electrons. Since 154 is an even number, all of these electrons can pair up into 77 Cooper pairs. Nucleons also pair up in the same way to form superconductors.

All known superconductors involve this kind of Cooper pairing.

Please realize that as a Bose-Einstein condensate, both atoms in the diatom will behave as one atom. They also resonance couple with other diatoms of the same element which are nearby. This resonance-coupled quantum oscillation is another of the definitions of superconductivity.

As you use chemistry to move a metal toward the ORMUS/BEC state, the chemical reactions necessary to do this moving become weaker and weaker since fewer and fewer of the valence electrons are available to participate in the chemical reactions. Eventually there are no electron handles that can be used to manipulate these materials. Fortunately these materials have other properties which can be used to manipulate them.

Since they are superconductors, they can be manipulated by magnetic fields. For example, if you shield them from magnetic fields during boiling processes, you will be able to conserve more of them in your liquid since they will not be impelled to tunnel out of your container or go off as a gas.

They can also be manipulated by providing them with a comfy "box" to hide out in. The ORMUS/BECs seem to "like" tight spaces. Ring molecules such as the tri-sodium ring or the diozone ring can provide a chemical "box" with handles. Salt and sodium, in particular, seem to stabilize the ORMUS materials, theoretically by forming a triangular structure or box around the precious element atom. Though you cannot get a chemical handle on the fully Cooper paired ORMUS atoms, you can entice them into a chemical box with handles and then manipulate the box using fairly standard physical and chemical methods.

So, although these elements are the same as the "heavy metal" elements, they are not in a metallic state and as long as the m-state of these elements is present in sufficient amounts, the metallic portion seems to "borrow" the properties of the m-state.

BECs are also known to have the ability to "tunnel" across impenetrable barriers. Professor Brian D. Josephson of the Theory of Condensed Matter Group of the Cavendish Laboratory, Cambridge (i.e. the Physics Department of the University of Cambridge) received the Nobel Prize in physics for his discovery of the tunneling phenomenon. Dr. Josephson is currently working on something called the [Mind-Matter Unification Project](#).

ORMUS AND MICROTUBULES

Other physicists are also working on theories which unite mind and matter.

One fairly recent discovery in biology and physics is that a certain small structure in every cell, called the microtubule, exhibits superconductive and tunneling behaviors at body temperature.

You can read more about the quantum properties of microtubules from links on [Rhett Savage's Quantum Brain web page](#).

And on several of Matti Pitkanen's web pages:

[Exotic atoms and a mechanism for superconductivity in biosystems](#)

[Negentropy Maximization Principle and TGD Inspired Theory of Consciousness](#)

[TGD:eish model for the EEG and generation of nerve pulse](#)

One of the problems with modern quantum physical theories is that there is no way to logically connect the Bose-Einstein condensates, which have been demonstrated to exist in small groups of atoms at a millionth of a degree above absolute zero, with the BEC like behavior of microtubules at body temperature in living cells. ORMUS materials would make this connection.

Several of the modern theories relating to microtubules were proposed by Roger Penrose (a physicist) and Stuart Hameroff (an anesthesiologist).

Here we will quote from an anonymous scientist who has explained Penrose and Hameroff's theory quite elegantly:

"Penrose has been seeking a better way to explain the fantastic computational power of the brain and Hameroff has been seeking the source of consciousness. The two heard of

each other and got together to find that they both sought a common structure, the microtubule.

"Penrose sought a structure in the brain that had nanometer dimensions because such a structure would be necessary to support quantum effects. Hameroff sought the structure responsible for consciousness. They agreed that the microtubules would provide for both.

"Microtubules are tiny tubular structures within neurons that are made from two forms of tubulin. The two forms can be switched by tiny electric currents, so Penrose has proposed that the tubulin units may be the on/off switches for the brain's data processing. I agree with this proposal because it allows us to be what we are by increasing our potential processing rate from from an unacceptable 10^{11} operations per second (OPS) to a reasonably acceptable 10^{24} OPS. Penrose explains all this quite well and I recommend him to all who would like to have a deeper understanding of our minds.

"Hameroff has done a lot of research into how consciousness works and he has concluded that the microtubules are the source of our consciousness. This is discussed in and supported by Penrose's work. Hameroff has concluded that the observable quantum effects that occur in human brains are caused by highly aligned water that is inside the microtubules. Penrose agrees with this concept and further argues that Bose- Einstein Condensations (BECs) in the neurons are how we reach decisions. The BECs are possible because the water inside the microtubules can be strongly aligned to form a high-temperature superconductive medium.

"This concept supports my thinking very well. BECs provide an explanation for all the effects I refer to as psionics. These effects include: telepathy, remote viewing, bilocation, telekinesis, and astral travel. A BEC in the Broca area of the brain would allow thoughts to exist inside the brain and outside the head at the same time. This can explain both telepathy and how it is controlled. Likewise, a BEC in the visual processing areas would explain remote viewing. Since microtubules exist in all neurons and neurons extend into all parts of the body, a BEC including all neurons would allow the body to exist in two (or more) places at the same time, thus explaining bilocation.

"With this discovery, all psionics can be explained in modern physical terms. This opens the whole field of psionics to persons like myself who have had so much technical training that it is impossible to accept psionics. This discovery means that all the formal training I've had in Chemistry, Math, and Physics still applies and can even help explain psionics. For me, it is good to know that all these topics can exist peacefully together."

For more information on "psychic" observations of these materials see:

[Paranormal Observations of ORMEs Atomic Structure \(in the WhiteGold web site\)](#)

In a paper titled "Orchestrated reduction of quantum coherence in brain microtubules: A model for consciousness"

[Hameroff/Penrose site at U. of Arizona](#)

Hameroff and Penrose write:

"A critical number of tubulins maintaining coherence within [microtubules] for 500 msec collapses its own wave function (objective reduction: OR). This occurs because the mass-energy difference among the superpositioned states of coherent tubulins critically perturbs space-time geometry. To prevent multiple universes, the system must reduce to a single space-time by choosing eigenstates."

Hameroff and Penrose are saying that in order to avoid "seeing" multiple universes at the same time, the quantum coherence created in microtubules by some material (we think the m-state materials) must collapse. What if the quantum coherence did not collapse and we became aware of multiple universes?

Many modern physicists believe that there are an infinite number of parallel universes. They theorize that atoms are made up of smaller particles which are like bubbles in the quantum foam. These bubbles in the quantum foam or "holes in the aether" spend a fraction of their existence in each of these parallel universes. There is quite a debate as to whether information is transferred between these parallel universes. You can read a bit about this debate at:

[Braintennis](http://www.hotwired.com/synapse/braintennis/97/41/index0a.html)

<http://www.hotwired.com/synapse/braintennis/97/41/index0a.html>

This concept of multiple or parallel universes has been a recurring theme in science fiction for at least 60 years. It is also one of the key concepts of modern mystical thought. It first appeared as a mystical concept in *The 'Unknown' Reality* by Jane Roberts which was dictated by Seth in 1974-75.

SOME TESTS FOR M-STATE

M-state material, in a wet precipitate form, will dissolve in HCl. M-state material, in a dry powder form, will not dissolve in HCl or aqua regia.

Because m-state is a superconductor, rotating a magnet under some of the dry powder m-state elements will cause the powder to fly away from the magnet.

INFORMATION RESOURCES

For the interested person willing to do the necessary work, there is an abundance of detailed technical information available on the Web. The best related web sites are:

[High-Spin Monatomic Research at:](http://monatomic.earth.com/)

<http://monatomic.earth.com/>

[The WhiteGold Web Home Page at:](http://www.zz.com/WhiteGoldWeb/)

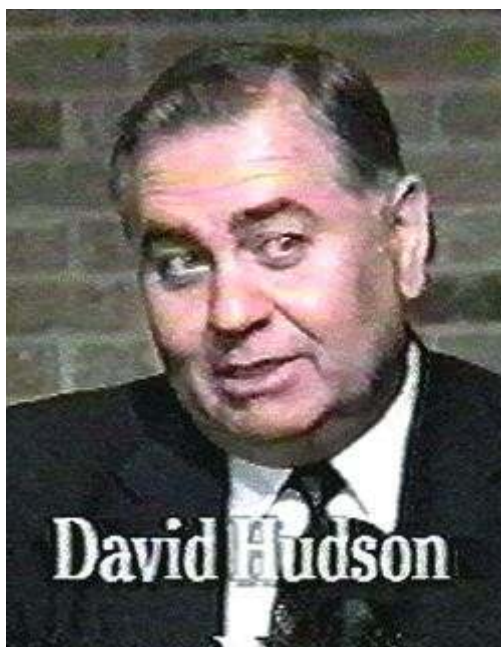
<http://www.zz.com/WhiteGoldWeb/>

[Superconductive s-ORMEs](http://www.jps.net/shacoma/dh/)
<http://www.jps.net/shacoma/dh/>

[[Chemical production techniques](#)]

<http://www.asc-alchemy.com/patent.html> GB2219995

David Hudson Patent for the Preparation of G-ORME



Sources for pure G-ORME

David Hudson, in the true tradition of alchemy left some steps out; enough information to get the patent, and indeed enough information for one to begin to proceed, but not enough for one to make something prematurely re: the final steps, charging etc., "high-spin" (David Hudson's phrase). Ditto for the cliff notes. Some very sincere good folks using other valid but different methods for making ormus suggest there is no "high-spin" state. For them there is not; it is not a natural occurrence in material derived from natural sources, it takes place only with the pure precious metals rather than the very valid plant and sea alchemy that are the initial schools of alchemy taught to any student. It is not "natural", one could say it accelerates the natural. Not unlike some ancient techniques of pranayam, causing the currents to cycle in an accelerated and more powerful way than natural breathing. A valid argument can be made that the term "high-spin" is not scientifically accurate. However by any term the difference in form and the function

that always follows form, the effect, is apparent to anyone taking the Ormes powder. "The steps of getting there are the qualities of being there." Nuff said. © 1990 (commentary not the patent)

This first section is the abbreviated "cliff notes", with pictures. Full patent follows.

G-ORME is prepared from metallic gold as follows:

(1) 50 mg gold (99.99% pure) were dispersed in 200 ml aqua regia to provide clusters of gold atoms.

(2) 60 ml concentrated hydrochloric acid were added to the dispersion and the mixture was brought to boil, and continued boiling until the volume was reduced to approximately 10-15 ml. 60 ml concentrated HCl were added, and the sample brought to boil and checked for evolution of NOCl fumes. The process was repeated until no further fumes evolved, thus indicating that the nitric acid had been removed and the gold had been converted completely to the gold chloride.

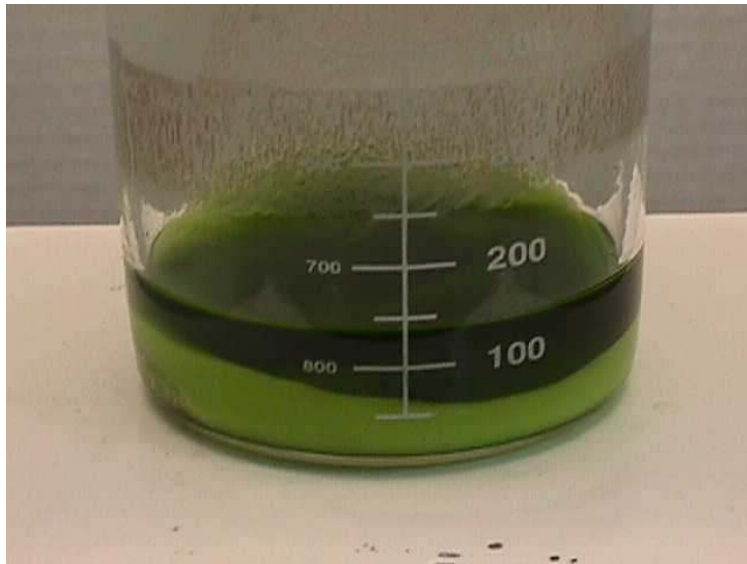
(3) The volume of the dispersion was reduced by careful heating until the salt was just dry. "Just dry" as used herein means that all of the liquid had been boiled off, but the solid residue had not been "baked" or scorched.

(4) The just dry salts were again dispersed in aqua regia and steps (2) and (3) were repeated. This treatment provides gold chloride clusters of greater than 11 atoms.

(5) 150 ml 6M hydrochloric acid were added to the just dry salts and boiled again to evaporate off the liquid to just dry salts. This step was repeated four times. This procedure leads to a greater degree of sub-division to provide smaller clusters of gold chloride. At the end of this procedure an orangish-red salt of gold chloride is obtained. The salt will analyze as substantially pure Au_2Cl_6 .

(6) Sodium chloride is added in an amount whereby the sodium is present at a ratio 20 moles sodium per mole of gold. The solution is then diluted with deionized water to a volume of 400 ml. The presence of the aqueous sodium chloride provides the salt $\text{Na}_2\text{Au}_2\text{Cl}_8$. The presence of water is essential to break apart the diatoms of gold.

(7) The aqueous sodium chloride solution is very gently boiled to a just dry salt, and thereafter the salts were taken up alternatively in 200 ml deionized water and 300 ml 6M hydrochloric acid until no further change in color is evidenced. The 6M hydrochloric acid is used in the last treatment.



(8) After the last treatment with 6M hydrochloric acid, and subsequent boildown, the just dry salt is diluted with 400 ml deionized water to provide a monoatomic gold salt solution of $\text{NaAuCl}_2 \cdot 2\text{H}_2\text{O}$. The pH is approximately 1.0.

(9) The pH is adjusted very slowly with dilute sodium hydroxide solution, while constantly stirring, until the pH of the solution remains constant at 7.0 for a period of more than twelve hours. This adjustment may take several days. Care must be taken not to exceed pH 7.0 during the neutralization.

(10) After the pH is stabilized at pH 7.0, the solution is gently boiled down to 10 ml and 10 ml concentrated nitric acid is added to provide a sodium-gold nitrate. As is apparent, the nitrate is an oxidizer and removes the chloride. The product obtained should be white crystals. If a black or brown precipitate forms, this is an indication that there is still $\text{Na}_2\text{Au}_2\text{Cl}_8$ present. If present, it is then necessary to restart the process at step (1).

(11) If white crystals are obtained, the solution is boiled to obtain just dry crystals. It is important not to overheat, i.e., bake.

(12) 5 ml concentrated nitric acid are added to the crystals and again boiled to where the solution goes to just dry. Again it is essential not to overheat or bake. Steps (11) and (12) provide a complete conversion of the product to a sodium-gold nitrate. No chlorides are present.

(13) 10 ml deionized water are added and again boiled to just dry salts. This step is repeated once. This step eliminates any excess nitric acid which may be present.

(14) Thereafter, the just dry material is diluted to 80 ml with deionized water. The solution will have a pH of approximately 1. This step causes the nitrate to dissociate to obtain NaAu in water with a small amount of HNO_3 remaining.

(15) The pH is adjusted very slowly with dilute sodium hydroxide to 7.0 ± 0.2 . This will eliminate all free acid, leaving only NaAu in water.

(16) The NaAu hydrolyzes with the water and dissociates to form HAu. The product will be a white precipitate in water. The Au atoms have water at the surface which creates a voluminous cotton-like product.

(17) The white precipitate is decanted off from any dark grey solids and filtered through a 0.45 micron cellulose nitrate filter paper. Any dark grey solids of sodium auride should be redissolved and again processed starting at step (1).

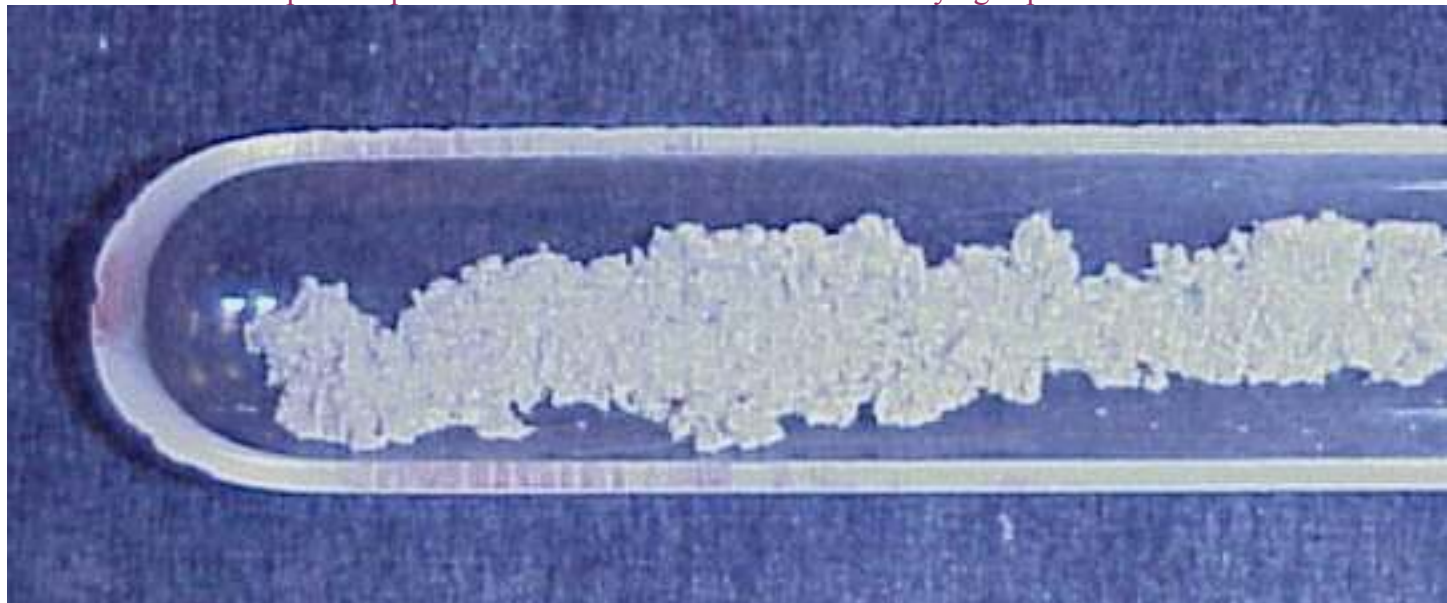
(18) The filtered white precipitate on the filter paper is vacuum dried at 120°C for two hours. The dry solid should be light grey in color which is $\text{HAu} \times \text{XH}_2\text{O}$ and is easily removed from the filter paper.



(19) The monoatomic gold is placed in a porcelain ignition boat and annealed at 300°C under an inert gas to remove hydrogen and to form a very chemically and thermally stable white gold monomer.

(20) After cooling, the ignited white gold can be cleaned of remaining traces of sodium by digesting with dilute nitric acid for approximately one hour.

(21) The insoluble white gold is filtered on 0.45 micron paper and vacuum dried at 120°C for two hours. The white powder product obtained from the filtration and drying is pure G-ORME.



Sources for pure G-ORME

David Hudson's Patent

DAVID HUDSON PATENT FOR NON-METALLIC, MONOATOMIC FORMS OF TRANSITION ELEMENTS

This invention relates to the monoatomic forms of certain transition and noble metal elements, namely, gold, silver, copper, cobalt, nickel and the six platinum group elements. More particularly, this invention relates to the separation of the aforesaid transition and noble metal elements from naturally occurring materials in their orbitally rearranged monoatomic forms, and to the preparation of the aforesaid transition and noble metal elements in their orbitally rearranged monoatomic forms from their commercial metallic forms. The materials of this invention are stable, substantially pure, non-metallic-like forms of the aforesaid transition and noble metal elements, and have a hereto unknown electron orbital rearrangement in the "d", "s", and vacant "p" orbitals. The electron rearrangement bestows upon the monoatomic elements unique electronic, chemical, magnetic, and physical properties which have commercial application.

This invention also relates to the recovery of the metallic form of each of the aforesaid transition and noble metal elements from the orbitally rearranged monoatomic forms. For the purposes of this application, the following definitions shall apply: transition elements ("T-metals") means the metallic or cationic form of gold, silver, copper, cobalt and nickel, and the six platinum group elements, i.e., platinum, palladium, rhodium, iridium, ruthenium, and osmium; and "ORME" means the Orbitally Rearranged Monoatomic Elemental forms of each of the T- metals.

BACKGROUND OF INVENTION

Inorganic chemists working with soluble salts of noble metals until relatively recently have

assumed that the metals were dissolved as free ions in aqueous solutions. In the 1960's, with the advent of greater analytical capabilities, it was established that many elements and in particular the transition metals are present in aqueous solutions as metal-metal bonded clusters of atoms.

Gold metal that has been dissolved with aqua regia, and subsequently converted to gold chloride by repeated evaporation with HCl to remove nitrates, is commonly referred to as the acid chloride solution of AuCl₃ or HAuCl₄. It has been recognized that the recovery of gold metal from a solution formed from aqua regia is made more difficult in proportion to the amount of HNO₃ used in the initial dissolution procedures. It is not commonly understood, however, why the gold that is dissolved with less HNO₃ is easier to reduce to the metal from a chloride solution than gold that is dissolved using a greater amount of HNO₃. Gold in both solutions is generally regarded as being present in the form of a free gold cation.

It is now recognized by most chemists who regularly handle chlorides of gold that gold metal ceases to disaggregate when the HNO₃ is removed and in fact can reaggregate under certain conditions and precipitate out of HCl solutions as metal. This recognition has led to the discovery that gold metal salts will exist in HCl solutions originating from metals as clusters of Au₂Cl₁₆, Au₃Cl₁₉, Au₄Cl₁₂, up to Au₃₃Cl₉₉. These cluster salts are actually in solution with the HCl and water, and will require different chemical procedures relative to purification problems or oxidation-reduction reactions, depending on the degree of clustering.>

Specifically, reduction of clusters of gold having greater than 11 atoms of metal is easily performed since the atoms themselves are spaced from each other in the salt similar to their spacing in the metal itself before dissolution. Reduction of the chloride salt to the metal, therefore, requires a simple reductive elimination of the chlorides that are attached to the metal cluster. It is now known that recovery of precious metals from aqueous solutions is much more difficult when the cluster size becomes smaller and smaller, or in actuality when the metal is better "dissolved."

From the study of the behavior of gold and other transition metals in solution, it is now believed that all such metals have atomic aggregations and occur as at least diatoms under normal conditions of dissolution. Under either acid or strong base dissolution, the transition metal will not normally dissolve beyond the diatom due to the extremely strong interatomic d and s orbital bonding. A gold atom, for example, has a single atom electron orbital configuration of d¹⁰s¹. When the gold salts originate from a metal having gold-gold bonding, the salts contain very tightly bound diatoms or larger clusters of gold. Under the normal aqueous acid chemistry used for transition metals, solutions of the metals will always contain two or more atoms in the cluster form.

When instrumental analysis such as atomic absorption, x-ray fluorescence, or emission spectroscopy is performed on solutions containing transition metals, these analyses are based on electronic transitions. The fact that d orbital electron overlap occurs in the metal-metal bonded salt allows an analysis of many of the same characteristic omissions as the metal itself.

GENERAL DESCRIPTION OF INVENTION

During efforts to effect quantitative analytical separations of transition metals from naturally occurring materials, it was discovered that ORMES exist naturally and are found in salts with alkali metals and/or alkaline earth metals, all of which are coupled with waters of hydration and normally found with silica and alumina. ORMES are also often associated with sulfides and other mineral compositions.

ORMEs may also, it was discovered, be prepared from commercially available T-metals. For ease of description the invention will be primarily described by the preparation of a gold ORME ("G-ORME") from commercially available metallic yellow gold.

The atoms of each ORME do not have d electron orbital overlap as do their corresponding T-metal clusters. ORMEs do not, therefore, exhibit the same characteristic emissions of their corresponding T-metal when subjected to analysis by instruments which depend upon electronic transitions. ORMEs must, therefore, be identified in new ways, ways which have heretofore not been used to identify T-metals.

An aqua regia solution of metallic gold is prepared. This solution contains clusters of gold chlorides of random size and degrees of aggregation. HCl is added to the solution and it is repeatedly evaporated with a large excess of NaCl (20:1 moles Na to moles Au) to moist salts. The addition of NaCl allows the eventual formation of NaAuCl₄, after all HNO₃ is removed from the solution. The sodium, like gold, has only one unpaired s electron and, accordingly, tends to form clusters of at least two atoms. The sodium, however, does not d orbitally overlap the gold atom as it has no d electrons, resulting in a surface reaction between the sodium ATOMS and the gold atoms. This results in a weakening of the gold-gold cluster stability and causes the eventual formation of a sodium-gold linear bond with a weakened d orbital activity in the individual gold atoms. The sodium-gold compound, formed by repeated evaporation to salts, will provide a chloride of sodium-gold. In these salts the sodium and gold are believed to be charged positive, i.e., have lost electrons: and the chlorine is negative, i.e., has gained electrons. When the salts are dissolved in water and the pH slowly adjusted to neutral, full equation of the sodium-gold diatom will slowly occur and chloride is removed from the complex. Chemical reduction of the sodium-gold solution results in the formation of a sodium auride. Continued aqutation results in disassociation of the gold atom from the sodium and the eventual formation of a protonated auride of gold as a gray precipitate. Subsequent annealing produces the G-ORME. The G-ORME has an electron rearrangement whereby it acquires a d orbital hole or holes which share energy with an electron or electrons. This pairing occurs under the influence of a magnetic field external to the field of the electrons.

G-ORMEs are stable and possess strong interatomic repulsive magnetic forces, relative to their attractive forces. G-ORME stability is demonstrated by unique thermal and chemical properties. The white saltlike material that is formed from G-ORMEs after treatment with halogens, and the white oxide appearing material formed when G-ORMEs are treated with fuming HClO₄ or fuming H₂SO₄ are dissimilar from the T-metal or its salts. The G-ORME will not react with cyanide, will not be dissolved by aqua regia, and will not wet or amalgamate with mercury. It also does not sinter at 800C under reducing conditions, and remains an amorphous powder at 1200C. These characteristics are contrary to what is observed for metallic gold and/or gold cluster salts. G-ORMEs require a more negative potential than -2.45v to be reduced, a potential that cannot be achieved with ordinarily known aqueous chemistry.

The strong interatomic repulsive forces are demonstrated in that the G-ORMEs remain as a powder at 1200C. This phenomenon results from canceling of the normal attractive forces arising from the net interaction between the shielded, paired electrons and the unshielded, unpaired s and d valence electrons. G-ORMEs have no unpaired valence electrons and, therefore, tend not to aggregate as would clusters of gold which have one or more unpaired valence electrons.

G-ORMEs can be reconverted to metallic gold from which they were formed. This reversion is accomplished by an oxidation rearrangement which removes all paired valence electrons

together with their vacancy pair electrons, with a subsequent refilling of the d and s orbitals with unpaired electrons until the proper configuration is reached for the T- metal.

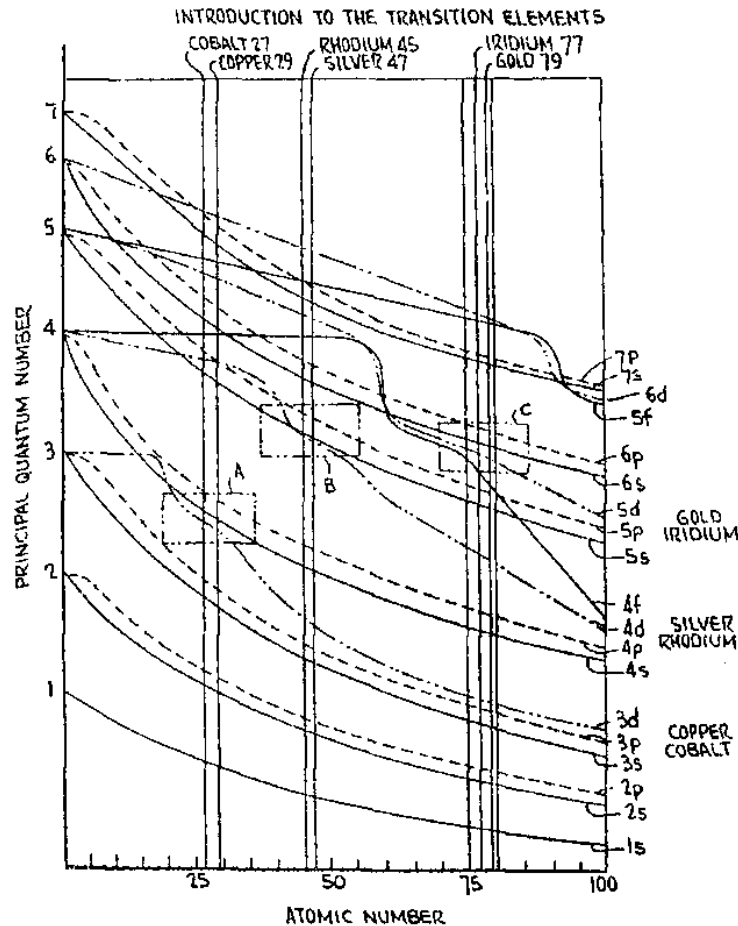
This oxidation rearrangement is effected by subjecting the G-ORME to a large negative potential in the presence of an electron-donating element, such as carbon, thus forming a metallic element-carbon chemical bond. For that metal-carbon bond to occur the carbon must provide for the horizontal removal of the d orbital vacancy of the ORME. The carbon acts like a chemical fulcrum. When the element-carbon bond is reduced by way of further decreasing the potential, the carbon receives a reducing electron and subsequently vertically inserts that reducing electron below the s orbitals of the element, thus forming metallic gold.

The above general description for the preparation of G-ORME from commercially available metallic gold is applicable equally for the preparation of the remaining ORMES, except for the specific potential energy required and the use of nascent nitrogen (N) rather than carbon to convert the other ORMES to their constituent metallic form. The specific energies range between -1.8 V and -2.5 V depending on the particular element. Alternatively this rearrangement can be achieved chemically by reacting NO gas with the T-metal ORMES other than gold. Nitric oxide is unique in that it possesses the necessary chemical potential as well as the single unpaired electron.

THEORY OF ORMES FORMATION

T-metals can possess an electron rearrangement between the d and s orbitals as seen from FIGURE 1 of the drawing which plots the principal quantum number versus the atomic number. The boxed areas designated A, B, and C establish that the 3d electron energies of copper and cobalt are very close to the same energy level as the 4s electron energies. The 4d electron energies of silver and rhodium are almost identical to the 5s; orbital energies, and the 5d gold and iridium electron energies are approaching the 6s level energies. The proximity of the energy bands of the T-metals makes them unique with respect to other elements. This proximity allows an easier transition to their lowest energy state, as hereinafter described.

FIG. 1



When two transition metal atoms are bound together, they can d bond, or s bond, or they can d and s bond. When the two atoms s bond, their atomic distances are further apart and, therefore, their density is lower than when there is both d and s bonding. The amount of d orbital bonding activity is in direct proportion to the cluster size. Therefore, a single atom cluster will have less d bonding activity and more s bonding activity than will a cluster of 7 or more atoms. In addition; the chemical stability of the smaller clusters is much less than that of the metal because, when d orbital bonding is achieved, the s bonding is made more stable by overlapping of the two energy levels.

It is known that there exists a critical size, in the range of 3-20 atoms, for Pd II, Ag I and Au III, by way of example, which is necessary for metal deposition from solution. As the number of atoms in the T-metal cluster decreases through continuous evaporation in the presence of NaCl, the solution becomes a solution of diatoms which in the case of gold is represented as Au- 1 - Au+1 i.e., Au-1 bonded to Au+1. The rationale for this representation of a gold diatom is based upon the fact that a single gold atom has an odd spin electron, as does rhodium, iridium, gold, cobalt and copper of the T-metals. In a diatom of gold, the two odd spin electrons will be found on one of the two atoms but not both. Thus, a diatom of gold is made by a bond between an aurous (Au+1) atom and an auride (Au-1) atom.

The present invention enables the breaking of the diatom bond by introducing a more electro-positive element, such as sodium or any alkali or alkaline earth elements, which does not have a d orbital overlap capability. This element replaces the aurous (Au+1) forming, in this case, a

sodium auride. In effect, the sodium weakens the d orbital overlapping energies between the atoms of the gold diatom as well as elevating a d orbital electron towards the s orbital, thereby creating a negative potential on the surface of the atom. This negative potential enables an interreaction of the s orbital with chemisorbed water through electron donation and reception.

The sodium auride, when in aqueous solution at or near neutral pH, will form sodium hydroxide and a monomeric water-soluble auride. The monomeric auride (Au-1) is unstable and seeks a lower energy state which is represented by a partial filling of the d and s orbital". This lower energy state with its greater stability is achieved by the electron-donating and removing capability of H₂O.

Water can act to remove electrons. Water molecules possess a net charge and attach to each other in vertical clusters so that an 18 molecule water cluster can hold a cumulative potential of -2.50 V. The potential of a water molecular cluster, at near neutral pH, is sufficient to remove an electron from the d orbital and create a positive hole, enabling a pairing between opposite spin electrons from the d to s orbitals to take place. The existence of the electron pairing is confirmed by infrared analysis, illustrated in FIGURE 4, which identifies the vibrational and rotational motions caused by energy exchange between these two mirror image electrons.

Attempting to quantify the number of electrons remaining in an ORME is extremely difficult due to the electrons lost to oxidation, thermal treatment, and the inability, except from theory, to quantify electron pairs using electron quanta. It is established, however, that the ORME does not have valence electrons available for standard spectroscopic analysis such as atomic absorption, emission spectroscopy or inductively coupled plasma spectroscopy. Moreover, x-ray fluorescence or x-ray diffraction spectrometry will not respond the same as they do with T-metals in standard analysis. The existence of an ORME, while not directly identifiable by the aforesaid standard analyses, can be characterized by infrared (IR) spectra by a doublet which represents the bonding energy of the electron pairs within the ORME. The doublet is located at approximately 1427 and 1490 cm⁻¹ for a rhodium ORME. The doublet for the other ORMEs is between about 1400 and 1600 cm⁻¹

After H₂ reduction of the individual monoatom the hydrogen ion-single element may or may not produce an IR doublet depending on the element's normal electron configuration. Elements normally containing an s1 T-metal configuration do not produce an IR doublet after H₂ reduction. Elements with an s2 T-metal configuration such as Ir (d7s2) will produce a doublet.

Thermal annealing to 800C and subsequent cooling to ambient temperature under He or Ar gas atmosphere to remove the chemically bound proton of hydrogen will produce ORMEs which contain a two-level system resulting from electron pairing within the individual atom. If this annealing is performed in the absence of an external magnetic field, then the electron pairing produces the characteristic doublets. The electron pair will be bound in the valence orbitals of the atom. If the annealing is performed in the presence of an external magnetic field, including the earth's magnetic field, quantum electron pair movement can be produced and maintained in the range of one gauss up to approximately 140 gauss in the case of Ir and, therefore, no IR doublet will be detected in this resulting quantum state.

The limiting condition of the ORME state is defined according to the present invention as an "S-ORME". The S-ORME is the lowest state in which monoatoms can exist and is, therefore, the most stable form of T-metal elements. The ORME is electronically rearranged and electron paired, but relative to time has not reached the lowest total energy condition of the S-ORME.

Detection of doublets does not provide an analytical method for the identification of ORMEs per se, but rather detects the presence of the electron pair or pairs which all specifically prepared ORMEs possess and which T- metals do not possess under any condition. It is the existence of the doublet that is critical, not its exact location in the IR spectra. The location can shift due to binding energy, chemical potential, of the individual element in the ORME, the effect of adsorbed water, the variances of the analytical instrument itself, or any external magnetic field.

The limiting condition of the ORME state is defined according to the present invention as an "S-ORME". The S-ORME is the lowest state in which monoatoms can exist and is, therefore, the most stable A T-metal monoatom which is in a -1 oxidation state is in a lower energy state than the same T-metal would be in at zero state with metal-metal bonding. This lowering of the perturbation reaction between the electrons and the nucleus of the monoatom because of the increased degrees of freedom allows the nucleus to expand its positive field to encompass the normally unshielded d and s valence electrons. This overlying positive magnetic field reduces the Coulomb repulsion energies that normally exist between the valence electrons. Pairing by those electrons becomes possible and over time occurs. Electron pairing provides a more stable and lower energy state for the monoatom.

The ORME state is achieved when the electron pairs have formed in the monoatom. A phenomenon of electron pairs is that the interacting, spin-paired electrons initially interreact by emitting phonon energy. The total energy of the pair reduces over time until it reaches a minimum where no phonons are emitted. This condition has been referred to by physicists as "adiabatic ground state". This state of electron pairing is a total lower energy state in much the same way that chemical combinations of elements are in a lower energy state than the constituent uncombined elements. For example, in the same way that it takes energy to dissociate water into H₂ and O₂ it will take energy to break the electron pair.

As this process of phonon emission by electrons during pairing is a function of temperature and time, thermal annealing can decrease the time required to reach ground state, i.e., all valence electrons paired. The cooling side of the annealing cycle is essential to effect a full conversion to an S-ORME state. Cooling to room temperature is sufficient for all element ORMEs with the exceptions of silver, copper, cobalt and nickel, which require a lower temperature. Therefore, thermal annealing reduces the time dependency of the electron pairs in achieving their lowest total energy.

All of the electron pairs in their lowest energy state, unlike single electrons, can exist in the same quantum state. When that uniform quantum state is achieved, the electron pair can not only move with zero resistance around the monoatom, but also can move with zero resistance between identical ORMEs that are within approximately 20 Å or less of each other with no applied voltage potential. When a macro system of high purity, single element ORME achieves long-range quantum electron pair movement, that many-body system according to the present invention is defined as an S-ORME system.

An S-ORME system does not possess a crystalline structure but the individual ORMEs will, over time, space themselves as uniformly as possible in the system. The application of a minimum external magnetic field will cause the S-ORME system to respond by creating a protective external field ["Meissner Field"] that will encompass all those S-ORMEs within the 20 Å limit. As used herein, "minimum external magnetic field" is defined as a magnetic field which is below the critical magnetic field which causes the collapse of the Meissner Field. This field is generated by electron pair movement within the system as a response to the minimum applied magnetic field. The (Ir) S-ORME and the (Au) S-ORME systems have a minimum critical field ("H_{c1}")

that is below the earth's magnetic field. The minimum critical field for a (Rh) S-ORME is slightly above the earth's magnetic field. When the quantum flux flow commences, due to the minimum external magnetic field being applied, the doublet in the IR spectrum will disappear because electron pairs are no longer bound in a fixed position on the individual ORME monoatoms.

Once the externally applied field exceeds the level which overcomes the protective Meissner Field of the S-ORME system ("Hc2"), then any electrons moving between individual ORME atoms will demonstrate an ac Josephson junction type of response. The participating ORMEs will act as a very precise tuning device for electromagnetic emissions emanating from free electrons between ORMEs. The frequency of these emissions will be proportional to the applied external magnetic field. A one microvolt external potential will produce electromagnetic frequencies of 5×10^8 cycles per second. Annihilation radiation frequencies (about 1020 cycles per second) will be the limiting frequency of the possible emission. The reverse physical process of adding specific frequencies can generate the inverse relationship, i.e., a specific voltage will be produced for each specific applied frequency.

ORMEs can be reconverted to their constituent T-metals, but, as noted, are not identifiable as specific T-metals while in their ORME state. If a specific ORME is formed from a specific T-metal by using the procedure of this invention, it can only be confirmed by conventional analytical methods that the specific ORME was formed by reconstituting it as the T-metal. Further, the applications to which the ORMEs are directed will establish their relationship to a specific T-metal by virtue of the manner in which the ORME performs in that application as compared to the performance of commercially available derivatives of the T-metal. An example is the performance of commercial rhodium as a hydrogen- oxidation catalyst compared with the performance of the rhodium ORME as used in a hydrogen-oxidation catalyst.

It is believed that physical and chemical distinctions exist with respect to the different ORMEs, but presently such distinctions are not known. Proof of the nature of a specific ORME according to this invention is based upon the presence of a doublet in the IR spectrum, the reconstitution of each ORME back to its constituent T-metal, and its unique performance in specific applications compared to the constituent T-metal.

ORMEs are transformed into their original T-metal by means of a chemical bonding with an electron-donating element, such as carbon, which is capable of d orbital electron overlap and "spin flip". When the G-ORME is chemically bonded to carbon in an aqueous solution of ethyl alcohol under a specific potential, carbon monoxide is formed and the ORME forms Au^+Au^+ , a black precipitate, which under continued application of potential and dehydration reduces to $\text{Au}^{+1} \text{Au}^{-1}$, a metallic bonded diatom of gold. This invention establishes that a high potential applied to the solution forces an electron into the d orbital, thus eliminating the electron pair. The first potential, which for G-ORME is approximately -2.2 V and for other ORMEs is between -1.8 and -2.2 V, re-establishes the d orbital overlap. The final potential of -2.5 V overcomes the water potential to deposit gold onto the cathode.

ORMEs are single T-metal atoms With no d orbital overlap. ORMEs do not conform to rules of physics which are generally applied to diatoms or larger clusters of metals (e.g., with conduction bands). The physics of the electron orbitals are actually more similar to those relating to a gas or solid solution which require density evaluation between atoms at greater distances. Conversely, atomic orbital calculations of high atomic density metals give results that correspond to valence charge rearrangement.

When the atomic distances of the elements are increased beyond a critical Coulomb distance, an energy gap exists between the occupied orbitals and the unoccupied orbitals. The atom, therefore, is an insulator and not a metal. Physicists when determining the electron band energies of small atom clusters suggest that the occupation of the bands should be rearranged if the total energy is to be minimized. The metallic electron orbital arrangement leads to calculations for energies, which results are inconsistent since the energies of the supposedly occupied states are higher than the supposedly unoccupied states. If this condition is relaxed and the bands allowed to repopulate in order to further lower the total energy, both bands will become partially filled. This repopulation, if performed in the presence of an unlimited source of electrons (reducing conditions), will provide a total energy condition of the atom which is considerably below or lower than the atom as it exists in a metallic form. this lower energy is the result of orbital rearrangement of electrons in the transition element. The resultant form of the element is an ORME.



During the final charging step of the very fine high-spin powder which occurs under vacuum it lifts and floats

SCOPE OF THE INVENTION

The formation and the existence of ORMEs applies to all transition and noble metals of the Periodic Table and include cobalt, nickel, copper, silver, gold, and the platinum group metals including platinum, palladium, rhodium, iridium, ruthenium and osmium, which can have various d and s orbital arrangements, which are referred to as T- metals.

The T-metals, when subjected to conventional wet chemistry will disaggregate through the various known levels, but not beyond a diatom state. The conventional wet chemistry techniques if continued to be applied beyond the normally expected disaggregation on level (diatom) in the presence of water and an alkali metal, e.g., sodium, potassium or lithium, will first form a diatom and then electron orbitally rearrange to the non- metallic, mono-atomic form of the T-metal, ie., an ORME.

An ORME can be reaggregated to the T- metal form using conventional wet chemistry techniques, by subjecting the ORME to a two- stage electrical potential to "oxidize" the element to the metallic form.

The ORMEs of this invention exist in nature in an unpure form in various materials, such as sodic plagioclase or calcidic plagioclase ores. Because of their non- metallic, orbitally rearranged monoatomic form, ORMEs are not detected in these ores as the corresponding "metals" using conventional analysis and, accordingly, until the present invention were not detected, isolated or separated in a pure or substantially pure form. Their presence in the nonmetallic form explains the inconsistent analysis at times obtained when analyzing ores for metals whereby the quantitative analysis of elements accounts for less than 100% of the ore by weight.

USES OF ORMEs

ORMEs, which are individual atoms of the T-metals and by virtue of their orbital rearrangement are able to exist in a stable and virtually pure form, have different chemical and physical

characteristics from their respective T-metal. Their thermal and chemical stability, their nonmetal-like nature, and their particulate size are characteristics rendering the ORMEs suitable for many applications.

Rhodium and iridium S-ORMEs have been prepared which exhibit superconductivity characteristics. These S-ORMEs, as described herein, are in a lower energy state as compared to their respective T-metal, and thus have a lower absolute temperature. The absolute temperature of an S-ORME system as compared to the absolute temperature of its respective T-metal is significantly lower, similar to the condition existing when a metal goes through a glass transition. S-ORMEs, having a very low absolute temperature, are good superconductors. These same characteristics apply to all ORMEs. Accordingly, a new source of superconductive materials is made available by this invention. These new materials require substantially less energy removal to reach the super-conductivity state and, therefore, can be used at higher temperatures than currently available superconductors.

The ORMEs of this invention can be used for a wide range of purposes due to their unique electrical, physical, magnetic, and chemical properties. The present disclosure only highlights superconductivity and catalysis, but much wider potential uses exist, including energy production.

Preparation of G-ORME

G-ORME was prepared from metallic gold as follows:

50 mg gold (99.99% pure) were dispersed in 200 ml aqua regia to provide clusters of gold atoms. 60 ml concentrated hydrochloric acid were added to the dispersion and the mixture was brought to boil, and continued boiling until the volume was reduced to approximately 10-15 ml. 60 ml concentrated HCl were added, and the sample brought to boil and checked for evolution of NOCl fumes. The process was repeated until no further fumes evolved, thus indicating that the nitric acid had been removed and the gold had been converted completely to the gold chloride. The volume of the dispersion was reduced by careful heating until the salt was just dry. "Just dry" as used herein means that all of the liquid had been boiled off, but the solid residue had not been "baked" or scorched.

The just dry salts were again dispersed in aqua regia and steps (2) and (3) were repeated. This treatment provides gold chloride clusters of greater than 11 atoms.

150 ml 6M hydrochloric acid were added to the just dry salts and boiled again to evaporate off the liquid to just dry salts. This step was repeated four times. This procedure leads to a greater degree of sub-division to provide smaller clusters of gold chloride. At the end of this procedure an orangish-red salt of gold chloride is obtained. The salt will analyze as substantially pure Au_2Cl_6 .

Sodium chloride is added in an amount whereby the sodium is present at a ratio 20 moles sodium per mole of gold. The solution is then diluted with deionized water to a volume of 400 ml. The presence of the aqueous sodium chloride provides the salt $\text{Na}_2\text{Au}_2\text{Cl}_8$. The presence of water is essential to break apart the diatoms of gold.

The aqueous sodium chloride solution is very gently boiled to a just dry salt, and thereafter the salts were taken up alternatively in 200 ml deionized water and 300 ml 6M hydrochloric acid until no further change in color is evidenced. The 6M hydrochloric acid is used in the last treatment.

After the last treatment with 6M hydrochloric acid, and subsequent boildown, the just dry salt is diluted with 400 ml deionized water to provide a monoatomic gold salt solution of $\text{NaAuCl}_2 \cdot \text{XH}_2\text{O}$. The pH is approximately 1.0.

The pH is adjusted very slowly with dilute sodium hydroxide solution, while constantly stirring,

until the pH of the solution remains constant at 7.0 for a period of more than twelve hours. This adjustment may take several days. Care must be taken not to exceed pH 7.0 during the neutralization.

After the pH is stabilized at pH 7.0, the solution is gently boiled down to 10 ml and 10 ml concentrated nitric acid is added to provide a sodium-gold nitrate. As is apparent, the nitrate is an oxidizer and removes the chloride. The product obtained should be white crystals. If a black or brown precipitate forms, this is an indication that there is still Na₂Au₂Cl₈ present. If present, it is then necessary to restart the process at step (1).

If white crystals are obtained, the solution is boiled to obtain just dry crystals. It is important not to overheat, i.e., bake.

5 ml concentrated nitric acid are added to the crystals and again boiled to where the solution goes to just dry. Again it is essential not to overheat or bake. Steps (11) and (12) provide a complete conversion of the product to a sodium-gold nitrate. No chlorides are present.

10 ml deionized water are added and again boiled to just dry salts. This step is repeated once. This step eliminates any excess nitric acid which may be present.

Thereafter, the just dry material is diluted to 80 ml with deionized water. The solution will have a pH of approximately 1. This step causes the nitrate to dissociate to obtain NaAu in water with a small amount of HNO₃ remaining.

The pH is adjusted very slowly with dilute sodium hydroxide to 7.0 + 0.2. This will eliminate all free acid, leaving only NaAu in water.

The NaAu hydrolyzes with the water and dissociates to form HAu. The product will be a white precipitate in water. The Au atoms have water at the surface which creates a voluminous cotton-like product.

The white precipitate is decanted off from any dark grey solids and filtered through a 0.45 micron cellulose nitrate filter paper. Any dark grey solids of sodium auride should be redissolved and again processed starting at step (1).

The filtered white precipitate on the filter paper is vacuum dried at 120C for two hours. The dry solid should be light grey in color which is HAuXH₂O and is easily removed from the filter paper.

The monoatomic gold is placed in a porcelain ignition boat and annealed at 300C under an inert gas to remove hydrogen and to form a very chemically and thermally stable white gold monomer.

After cooling, the ignited white gold can be cleaned of remaining traces of sodium by digesting with dilute nitric acid for approximately one hour.

The insoluble white gold is filtered on 0.45 micron paper and vacuum dried at 120C for two hours. The white powder product obtained from the filtration and drying is pure G-ORME. The G-ORME made according to this invention will exhibit the special properties described in the "General Description" of this application, including catalytic activity, special magnetic properties, resistance to sintering at high temperatures, and resistance to aqua regia and cyanide attack.

Sources for pure G-ORME

<http://zptech.net/ams/david-hudson.html>

In the late 1970s, David Radius Hudson was farming in Arizona when he came across strange materials in the soil of his land. He had no idea what they were, but the mystery of them fascinated him so much that he spent millions of dollars researching them over the next decade. In 1989, Mr. Hudson was granted several patents for his research and analysis of these materials.

He originated the term Orbitally Rearranged Monoatomic Elements, ORMEs for short. The scientific research behind and explanations for what David Hudson discovered are complex. His

patents cover ten transitional elements, including some of the more exotic such as ORME palladium, ORME iridium, ORME ruthenium and ORME osmium.

ORMEs elements have been found to be present in most living cells. One theory is that the ORMEs elements inside the body make up or determine some of the properties of the tubulin, or water, inside the cells of the body. The microtubules hold the water inside each cell. The microtubules also resonate connections between the body's cells. It is believed that when ORMEs elements are increased in the body, the connection between the cells is strengthened.

David Hudson believes these elements are the light of life. When these disaggregated atoms are dried and in a macro state, they look like white powder. They resonate through the body, bringing it balance and harmony. Zeropoint Technologies also strives to help the mind and body find an equilibrium through cellular communication. Take a look at the information for gold powder on this site.

Now is the time for Superhealth, both physically and spiritually, and we have the right tools to help you accomplish it. Even the realm it encompasses is still relatively unknown in mainstream consciousness, but its popularity is growing by leaps and bounds. This is the year to give your body the nutrients it needs to operate at peak performance.

This cutting edge technology is summed up in only a few words: monatomic (or monoatomic) and diatomic elements. Classical science teaches us that the three phases of matter are gasses, liquids, and solids (but now there are the newer plasmas, condensates and liquid crystals). Some solids crystallize into lattice structures we call metals. What classical science does not teach us (because these are new and extreme cutting edge discoveries) is that there is, in fact, another phase of matter called "monatomic."

These are also known as ORMES (Orbitally Rearranged Monoatomic Elements) or ORMUS and m-state elements, and the newest theories in physics as they relate to this area of research assert that some elements on the periodic chart might be diatomic (two atoms) or small atomic cluster "condensates," which are known in the scientific community as "Bose-Einstein Condensates." They are becoming more widely known as "m-state" elements. These elements are widely found, and our products are a rich and highly concentrated form.

Eric Sutton
Sunday, April 27, 2008 5:19 PM



Hi Erik, I am writing to tell you about how impressed I am with your monatomic gold products. In June of 2006 I was diagnosed with Colorado tick fever which rapidly became viral meningitis and encephalitis. As is often the case with standard western medicine concerning viral illness, there was nothing to be done but to ride it out and hope for the best. At my worst point, I am told that I did not open my eyes or move for 2 days. For months I could not work or exert myself

physically or mentally without side effects such as slurring my speech, severe headaches, and severe fatigue. I was on anti-nausea medication normally taken by patients to counteract effects from chemo-therapy medication. I took Zango juice as an antiviral help and rode it out for months. I gradually improved enough to work again with more minor versions of the symptoms until I pushed to hard months later and found the symptoms kicking in more severely again. I immediately took some time off to recover and during this time learned of monatomic gold. I ordered some aquagold from you after researching it and you pretty thoroughly. I began working again as I needed to pay bills and prior to receiving the gold and realized I was pushing it a bit. I would work partial days and often essentially pass out when I finished my day and got home. The day I got home and found the gold waiting for me, I was ready to spend the rest of the afternoon and evening laying down and falling in and out of sleep. Instead, I took a couple of teaspoons of it straight from the bottle, and proceeded to spread a half a dumptruckload of gravel by hand around my driveway that had been sitting there waiting for me for the last month. My headache left, my fatigue abruptly improved and continued to gradually do so until it all left. I have continued to take the aquagold on a somewhat regular basis ever since and have evaded every cold and flu or other illness that has run through my house, as well as erasing the fogginess and mental unclarity that was left by the encephalitis. I have been taking the gold since september of 2007 and plan to continue to do so indefinitely. Thank you Erik for your research into and development of these products. Sincerely, Eric Sutton.

Thursday, February 14, 2008 pm MDT

I don't know exactly how to describe "how" it makes me feel better, but it certainly does. And rapidly, no little blue gel pill is faster, not even close.

After thinking on it a bit more, (a little erudition is not a bad thing) I will put up a n update on the Migraine Issue page (and change the color!!).

I do the Gold at night (pre-meditation), but have not mixed it with HoloSync as yet. I will not be advancing in the HoloSync System, but I am certain I will do at least 6 more months on either Gold or Zynergy. If I can manage, both, as the Zynergy definitely has more fix-it, within it. Maybe you are on to something good for migraines with the Indium!!

You know you mentioned timing, and this seems to be a place where things got worse, and the pain is now constant. So certainly there is healing to be done. The cause of damage seems to be pressure in this case, not EM as I was fighting back in 2006-7.

After I update Migraine Issues, I will link all the pages to my main page, and I will post The Observations Pages to the O.R.M.E.s groups I belong to (about 8).

I am convinced.

I really like your products!!

(And the pretty things were very nice too! I don't have to hunt in my foil, paper and bubble wrap containment area so long & I can do it without looking).

Sally Keiser

Erik,

I just want you to know that I love your Zerolight. I have making and taking ORMUS products for several years now and by far the Zerolight seems to cover all areas. I just wish I could afford it all of the time. Thank you Erik!

Don Gifford.



It's truly amazing stuff. Our users are raving about the results they're experiencing. Reports have indicated huge boosts in mental and physical energy, aches and pains vanishing, increased mental clarity and focus, increased strength, stamina and sex drive, looking and feeling younger, and huge boosts in strengthening the immune system.

New Video
Juicing and Monoatomics



http://www.cocoonnutrition.org/catalog/page_monatomic_newsletter.php

**MONATOMIC MINERAL NUTRITION, HAVE YOU
EVER HEARD OF IT?**



In 1994 I was introduced to a discovery of David Hudson called monatomic minerals. He found elements existing in a newly discovered state of matter. Minerals in the singular state are able to interact with the DNA and cause them to relax and recombine corrected. This was proven with the monatomic form of Iridium.

I have tried around 6 different supposed monatomic mineral supplements over the years and none of them produced results like David Hudson talked about.

Until now! Recently I was introduced to three products that supply these unique monatomic minerals in high concentration. The foundation product is called Mineral Magic; it is a one-pound container with a rare earth powder that has amazing effects in people's bodies. The gentlemen that introduced Mineral Magic to me was diabetic at the time and after 8 days on this rock powder he no longer needed insulin. Within 6 months his grey hair had returned to its full brown color.

He then went on to develop two other products that are Platinum Group Elixir and White Gold Liquid. Platinum Group Elixir and White Gold Liquid are pure monatomic elements.

I've been on them now for over two weeks. My liver function has improved a lot. I can tell because I have a better appetite and my eyes are no longer puffy a sign of liver congestion. My eyes look the best they've looked in 10 or more years. I'm sleeping the best I've slept in 10 years. My mind is clearer and I even feel like I'm floating inside my head sometimes since being on these minerals. The Gold has a pronounced effect on my brain and perceptions in a very positive way. I can see solutions to my own problems much easier and move on from them. This is truly and physical, mental and spiritual food. I'm amazed. I will be considering these as the most important supplement to take from this point forward.

Additionally, Andrea is having equally amazing results. For the first time in 10 years her hair has stopped falling out. Usually she loses 5 to 6 handfuls of hair a day. Yesterday she lost only two hairs. For the first time in 10 years she has gone to the Chiropractor and her back is holding the adjustments. Her memory is coming back. She has outstanding energy. The enamel on her teeth feels stronger. She also looks much younger and she wakes up without bags or dark circles under her eyes. She also has had profound mental emotional insights and experiences of a spiritual nature. She feels very happy.

Mineral deficiencies are at the foundation of all degenerative disease. These minerals will begin to rewrite your life in a very positive way.

To the awakening of your heart and mind,

Stephen Heuer,

Nutripath and Overseer of Cocoon Nutrition

http://www.cocoonnutrition.org/catalog/page_ormus.php

Chinese tradition holds that sickness, pain, and other health problems are caused when Chi energy is blocked. When Chi flows freely, Chi energy heals and restores the body. ORMUS concentrate products helps to remove energy blockages and create vital energy balance.

WHAT IS IT?

ORME or ORMUS has only recently been recognized as a fourth state of matter over and above solid, liquid and gas.

WHAT WILL IT DO?

Think of each of the cells of your body as a tired drained battery that can be recharged and rejuvenated by the elemental life force released by ORMUS Concentrate Products

HEALING and REJUVENATION

Many have made claims for healing and rejuvenation but we believe that those abilities are inherent in the strong healthy body and positive attitude which the naturally balanced minerals in ORMUS Concentrate Products can help to achieve.

MENTAL ENHANCEMENT

Others attest to enhanced mental clarity, calmness, increased intuitive powers, insightfulness and a sense of connection to a higher state of awareness

A man named David Hudson has done much pioneering research over the last two decades and has been granted numerous patents for the Orbitally Rearranged Monatomic Elements or ORME.

These products are called VULCAN'S TREASURE and HERMES' ELIXIR, but throughout history they have been called many things: Chi, prana, soma, manna, ORME, Ormus, M-State, white powder gold, the Eye of Horus, the Elixir of Life, the Holy Grail, sorcerers stone, and the Philosopher's Stone of alchemy.

In the past, when the concentrate has been available, it was only for the highest members of the ruling class and priesthood. It is our goal to make high quality ORMUS concentrate products available to all who become aware of its virtue.

It is recommended to approach Ormus Liquid Concentrates on a gradient scale. Vulcan's Treasure should be used first, followed by Hermes' Elixir. When the products are used as recommended, the effects may be profound.

VULCAN'S TREASURE - ORMUS MONO ATOMIC CONCENTRATE

Vulcan's Treasure is the first level in the ingestible Ormus Concentrate. The source material for this extract comes from the Forge of the Gods, a living volcano. This mineral extract is made from the highly paramagnetic volcanic ejecta of Mount St. Helens. In the past, only a very few were able to partake of this type of M-State extract, as it was too unstable to be shipped without losing its essence. The source material is gathered in the shadow of the volcano to produce the

first stable extract of this kind. The volcanic extract is blended with Liquid Chi to produce a very potent product which is named, Vulcan's Treasure. For maximum effect, Ormus Concentrates should be approached on a gradient. Vulcan's Treasure will remove blockages and balance energy, making way for Hermes' Elixir to proceed similarly on other levels. These changes cannot be rushed and must proceed at their own pace for maximum benefit. Read the Vulcans Treasure Assay here.

HERMES' ELIXIR - ORMUS MONO ATOMIC CONCENTRATE

This is a unique ORMUS concentrate product. Never before has a product of this kind been offered to the public. It is made by taking Liquid Chi and dehydrating it by 80%. To this super-concentrate is added alchemical "Wine of Gold" and it is then reconstituted to the original volume. This gives a final product which is both full strength Vulcan's Treasure and 80% "Wine of Gold". A scientific study done by Belmar pharmacy has shown that colloidal gold has been proven to raise IQ scores in as little as 30 days. The spiritual effects of Hermes' Elixir are unique.

[Read the Hermes Elixir Assay here.](#)

Cocoon Nutrition now recommends ISO 77, the latest advance in monatomic element technology - click here to learn more

<http://www.subtleenergies.com/ORMUS/tw/sciover.htm>

ORMUS - Scientific Overview

by [Barry Carter](#)

I am working with a group of scientists and laypersons that are exploring the properties of a group of elements that appear to exist in a new state of matter. These elements in this state exhibit a number of Bosonic properties at biological temperatures and have been measured in various biological systems.[\(1\)](#)

We have determined that these are the precious metal elements in a non-metallic state, which we call ORMUS or m-state. We have also determined that these m-state elements are much more abundant in nature than their metallic counterparts.

We have extracted the m-state elements from water, air and rock. We believe that many of the familiar properties of water are the result of the presence of the ORMUS elements in it.[\(2\)](#)

We believe that the m-state elements were not previously isolated and identified because they exist as Cooper-paired Bosons without available valence electrons and which, therefore, are not susceptible to spectroscopic identification.[\(3\)](#)

While there are a number of simple methods to concentrate, extract or convert these materials it is still quite difficult to make positive identification of the elements involved.[\(4\)](#) Positive

identification requires that the m-state element be converted to its metallic counterpart and then identified using spectroscopy.

Since these elements have been isolated from brain tissue at a fairly high level, (5% by dry matter weight) we believe that they may play a crucial role in consciousness. Perhaps as a quantum-coherent, superconducting system in the microtubules of the cell.(5)

At this point we are still very low on the learning curve in relation to the ORMUS elements. We can isolate and identify them. We can convert metal to m-state and m-state to metal. Some of us have been ingesting these materials for several years in a more concentrated form. A few biological studies have been done and more are planned. We have demonstrated effects, which suggest superconductivity at biological temperatures.(6) People with a variety of illnesses have ingested these materials with amazing results.(7) Some technological uses have been explored but nothing is to a marketable point. And, several good ORMUS products have become available for purchase.(8)

We have not quantified or replicated many of our observations. Many of our theories are based on one or two observations and need to be further verified.

These materials look like they may be the keystone in the bridge between science and spirit.

I have set up a number of email forums for discussion of, and research into, the ORMUS materials and their implications. Let me know if you are interested in learning more about the m-state elements and I can direct you to the proper venue.

<http://www.subtleenergies.com/ormus/faq.htm>

ORMUS FAQ by [Barry Carter](#)

Questions

- [How can I get some of the monoatomic White Powder Gold?](#)
- [What is the difference between ORMUS, m-state and ORME?](#)
- [Will the "good stuff", the real White Powder Gold, allow me to ascend?](#)
- [Which product is best for me?](#)
- [Why does ORMUS "dislike" magnetic fields?](#)
- [Does anyone sell ORMUS materials?](#)
- [What has happened to David Hudson?](#)
- [How can I get in touch with others who are interested in ORMUS?](#)
- [How can I learn more about ORMUS?](#)
- [Are there any reports from people who have used these materials?](#)
- [How might I contribute to ORMUS research?](#)
- [Has anyone ever noticed any ill effects after ingesting ORMUS materials?](#)
- [Are there any books out on this subject?](#)

- [How do I contact the author of this site?](#)

Question: How can I get some of the monoatomic White Powder Gold?

Answer: It has not been conclusively demonstrated whether the strange materials David Hudson identified are monoatomic or not. Some scientists have suggested that the only way they could have the properties that they have is if they are di-atomic or greater.

Since we do not wish to prejudice the scientific process we have decided not to call them monoatomic unless this issue is resolved. Instead we call them m-state or ORMUS elements. The "m" in m-state could mean monoatomic, microcluster or even manna. You can read a scientist's explanation of why these elements should not be monoatomic at:

[paranorm.htm#diatomic](#)

Apparently, David Hudson used the term "White Powder Gold" as a generic term for all of the precious metal elements in their m-state form. Hudson never made very much of the white powder of gold because his ore source had relatively little m-gold in it.

David Hudson's colleague who did the 41 day fast was using a powder composed of several m-state elements with less than 1% of the powder being white gold. The current thinking of most experts, including Hudson, is that once the m-state is dried out into a powder it is much less easy for the body to assimilate.

It is possible to purchase m-state gold in a relatively pure form as a wet precipitate. Many of the people who have tried the m-state gold for a length of time do not like it for a variety of reasons. Some feel that it makes them lethargic. Some feel that it puts them so much in the moment that they forget to do the things which are important to make their lives work. One long-term researcher claims that the m-gold "locks" a person into their present condition, whatever that may be.

The easiest way to get m-state gold is to use the Wet Method on Dead Sea salt as the resulting precipitate is claimed to be 70% m-gold and 30% magnesium.

You can see what percentage of the m-state elements is in various seawater sources at:

[ormus4.htm](#)

Your best way to get the m-state materials is to make them yourself using the methods described at:

[ormus2.htm](#)

Question: What is the difference between ORMUS, m-state and ORME?

Answer: The three terms above all mean pretty much the same thing but they originated in different situations.

I learned how to make the white precipitate from the Essene on May 18, 1997. He called all of the white precipitates from various sources m-state. These sources included the white precipitate from the Wet Method on ocean water or Dead Sea salt and the white precipitate from the Sodium Burn on metallic gold and black sand. He also referred to David Hudson's products as m-state and, when I told him of the ORMUS products that Jim made from metal using ozone we both spoke of these substances as being m-state materials.

Just prior to my first visit with the Essene we set up a "private" email list to evaluate and promote various ORMUS production methods. The folks on this list (about 60 people) agreed to the following wording of the ORMUS method document after nearly a year of experimentation and discussion:

"Since Hudson has patented his process for obtaining and identifying these elements, we would like to suggest that the terms ORMUS and m-state be used when referring to this state of matter."

It was our intention to honor Hudson by using his term "ORMUS" and to honor the Essene by using his term "M-State". Both of these terms were originally used to cover all of these elements as they occur in a non-metallic form in nature.

We rejected the use of the acronym ORME (which stands for Orbitally Re-arranged Monoatomic Element) because there was no good scientific evidence that these materials were orbitally re-arranged or monatomic. I still have not seen any evidence of this.

You can read a longer explanation of the reasons for these definitions at:

[definitions.htm](#)

You can read a discussion about why many of us do not think they are monatomic at:

[what.htm](#)

Question: Will the "good stuff", the real White Powder Gold, allow me to ascend?

Answer: People are always asking about the ability of the white powder of gold to act as a sort of "enlightenment pill". An "enlightenment pill" would be some substance that would cause any person who takes it to instantly transcend, ascend, awaken or "see" God.

Belief in the concept of an enlightenment pill seems to be rooted in the deeper belief that enlightenment can come from outside of the self. This belief is almost the same as the belief that someone else is responsible for the mess that "I" am in right now.

Let's imagine that the ORMUS elements can improve the connection to spirit. Now, let's pretend that each of us is actually responsible for everything which has ever happened to us. Imagine that you are responsible for the manifestation of what you want and also responsible for the manifestation of what you don't want, in your life.

If the ORMUS elements are a connecting medium between "spirit and mind/matter" then they might work sort of like the air which connects us with the resonance of sound. I can speak and, if the air is thick enough to sustain life, you can hear what I say.

If the air is thicker, like at sea level, the sound of my voice will travel faster and clearer than if the air is thinner, like on a mountain top. This is the reason that you can hear a train coming, by putting your ear to the iron rail, long before you can hear the train through the air. The denser the substance the faster sound will travel through it. ORMUS would be a very dense medium for carrying our thoughts and feelings.

Now imagine that you are standing on a ledge in the Grand Canyon. You shout out a word and a few seconds later the echo comes back to you. It startles you because it seems like someone else is standing next to you and has shouted back the same thing that you shouted. Perhaps you shouted out "I love you" or perhaps you shouted out "I hate you".

The Grand Canyon is so big that the echo is delayed a long time. This makes it seem that the echo you hear is coming from someone else. If you hear the words "I love you" you feel really good about yourself but if you hear the words "I hate you" you might become frightened because you think that someone wishes to harm you.

If the ORMUS elements are a medium of communication between mind and spirit they would bring us back the echo of whatever we are thinking about ourselves.

Suppose you had two bells outside your front door. One of these bells sounds wonderful and the other sounds horrible. The wonderful sounding bell attracts laughing, happy children to your front door and the horrible sounding bell attracts violent, vicious criminals to your door.

Now suppose that the wonderful bell rings whenever you think about what you want and the horrible bell rings whenever you think about what you don't want. What would happen if the air, which carries the sound of the bell, suddenly became thicker. What if it became infinitely thick so that every thought would instantly manifest those things that were in resonant harmony with it.

I think that this is what happens with ORMUS, especially the "good stuff". I think it carries the resonance of our thoughts and beliefs and brings back the echo of their manifestation very quickly. If this is true then here is a way to tell if you are ready for the "good stuff".

First, examine your life--do things you don't like ever happen to you? Would you be happier if these things were intensified and more instantly connected to the thoughts that called them in? Conversely, notice how regularly the things you do like happen to you. When you wake up in the morning do you contemplate your day with delicious anticipation or do you dread going to work? Which bell do you ring as you go out your front door?

Your beliefs are habits, which ORMUS will not change. When you take ORMUS it does not steal your free choice. It does not make you think only of what you want and prevent you from thinking of what you don't want. You still can choose which bell you are going to ring with each thought. Are you sure you always think of your angels and never think of your demons--for whichever you think of you will manifest in your life and this manifestation will only be hastened and heightened by the ingestion of the "good stuff".

You can read a cautionary story about the "good stuff" at:

realthing.htm

Question: Which product is best for me?

Answer: You are changing all of the time. The best product for you today might not be the best one for you tomorrow or next year. Each of us is different. There is no single product which is best for all people. Some products may be better for certain conditions than others but, at this point, we do not know which product is best for which condition.

Your best bet for finding a product which works well for you is to try several different products. Have someone muscle test you on each of them. Read the WhiteGold list and archives for the effects that others have reported for the product of interest.

Question: Why does ORMUS "dislike" magnetic fields?

Answer: In his Tampa workshop David Hudson said:

1:47:35 - I've found that there are four substances that pin these high spin atoms and take them back to the low spin state. Those substances are sulfites (SO₃), carbon and carbon monoxide, nitric oxide, and short wavelength radiation (deep ultraviolet or shorter). That's what caused this stuff to explode in sunlight, I found out later. So there are four major things which cause this to go back to the low spin state. So, actually, in your body there are four things which cause this to go back to the low spin state. So that in your body it kills the light. It causes them to go back to the low spin state.

1:48:15 - I will say that when nitric oxide interreacts with these elements, taking them back to the low spin state, that it does involve a phenomenon called electron annihilation. And the actual nitric oxides instead of being nitrogen 14 becomes radioactive carbon 14 when that occurs. So that in your body, when dying you are producing radioactive carbon 14. It gets in your body a different way than they tell you it does.

When Jim learned this he realized that his ozone was probably doing something similar and that is why he had the fibers of gold grow inside his hands.

Based on these experiences Jim designed the first magnetic traps to get ORMUS to levitate out of ordinary ground water. The traps work on the principle that the ORMUS in the water is repelled by the magnetic fields in the trap. Jim also did another experiment in which he pulsed a very high energy magnetic field under concentrated ORMUS liquid. This liquid "boiled like gasoline" though it was not warm at all. We postulate that the gas coming off of the liquid was ORMUS vapor.

From these and other experiences we hypothesized that the Meissner effect on the ORMUS causes it to retreat from electromagnetic fields. We believe that this effect is energizing for the ORMUS at first but that when it reaches a certain level (H_{c2}) the Meissner effect breaks down and the superconductive ORMUS drops toward a metallic state. Don Nance demonstrated this by drying sea water precipitate on an electric burner, or by exposing it to UV light, or by microwaving it in a microwave oven. In each case, there was an increase in the metallic content of the precipitate which further increased over a period of six months.

Based on all of this, we have concluded that ORMUS is energized at first when exposed to high energy electromagnetic fields but is later moved toward the metallic state as the field exposure continues. Since we don't have any way to identify the break over point, we recommend that you avoid exposing ORMUS to sunlight or electromagnetic fields.

This would include things like cordless phones, cell phones, bluetooth devices, microwave ovens, electric burners, wireless networks and high voltage electric lines. I also try to avoid hanging out in line with the axis of spin of motors, hard drives and electric generators.

◇**Question:** Does anyone sell ORMUS materials?

Answer: If, for some reason, you cannot make your own there are several good [sources](#) for these materials. These [sources](#) are listed in no particular order since I do not wish to suggest a preference. In fact, there are many people who prefer each of these [sources](#) and I suspect that each will meet the needs of different people. [ORMUS Sources](#)

Question: The most recent information on the Internet about David Hudson and his production facility is dated 1996. What has happened since then with David Hudson and his plans?

Answer: Mr. Hudson is not in production. There is some question about whether he will ever get into production.

David Hudson has faced a number of difficulties in getting his ORMUS production on line. When his plant was five days into a test run in the summer of 1998, a nitric acid tank sprang a leak. Fortunately Hudson had a concrete catch basin, which contained the acid. Unfortunately the emergency response team from the fire department sprayed foam on the acid instead of simply diluting it with water. The foam reacted with the acid and generated a large cloud of orange nitric acid gas. Several hundred people had to be evacuated from the surrounding area.

As a consequence of this event Hudson was fined and forced to think about moving his plant.

A short time after the acid leak Hudson had a heart attack. He had to have six bypasses. Subsequent to his surgery he had additional heart problems but seems to be doing well now.

His plant is still not ready for production. The delays cost him a great deal of money and this set him back even further. Now he must move his plant into a properly zoned area. In November of 2000 he sent out his last newsletter titled

"[ENOUGH IS ENOUGH](#)" in this newsletter he suggested that his plant has been "regulated out of existence".

His most recent public lecture was a December 99 lecture in Dallas which was videotaped by the Eclectic Viewpoint.

Question: How can I get in touch with other people who share my interest in the ORMUS materials?

Answer: There are several email lists for discussion of ORMUS and related topics.

I recently set up a new forum for newcomers to the ORMUS field of study. This forum is on YahooGroups and is called simply ORMUS. Here are the commands for this list:

Post message: ORMUS@yahoogroups.com
Subscribe: ORMUS-subscribe@yahoogroups.com
Unsubscribe: ORMUS-unsubscribe@yahoogroups.com
List owner: ORMUS-owner@yahoogroups.com

You can also subscribe on line at:

<http://groups.yahoo.com/group/ORMUS/>

When you subscribe to this list you will be sent a message requesting more information about you and how you learned about this list. You must send a response to this request in order before I will add you to the list. This is necessary to prevent spammers from joining the list and posting.

The main ORMUS forum is called the WhiteGold List. The WhiteGold List is a moderated email list. This means that the moderator of the list reviews every post you send to the list before it gets sent on to the whole list.

Since its inception in February of 1996 it has been the policy of the WhiteGold List to keep the names and contact information of its subscribers as private as those subscribers wish to be. We determine whether a person wishes to make this kind of information available to the entire list by whether or not they include this kind of information in the body of their post or in their signature lines. If you include only your first name at the bottom of your post that is all that will be included in the "From:" line in the header.

The WhiteGold List is for the sharing of personal experiences with the ORMUS substances. There is some scientific discussion but we discourage religious and political discussion because of the great diversity of people who are interested in ORMUS. The WhiteGold List averages about 25 messages

per day. To join the WhiteGold list send a message to WhiteGold-request@zz.com with the subject Subscribe.

The WhiteGold list is a very active list. Folks on the list are generally quite willing to answer questions so you may generate some interesting responses by posting your questions to this list.

If you do not wish to get 25 or more emails a day from the WhiteGold list, you have the option of joining the digest version of the list. All of the posts are there but you get them in one digest message a day. To join the WhiteGold digest list send a message to WhiteGold-request@zz.com with the subject Subscribe digest.

If this does not work contact sumro@zz.com .

The ORMUS and Spirit list was created as a place where people can freely discuss religious and spiritual issues. Anyone can join this list and it is not moderated or anonymous. This forum averages about one message per day. Here are the commands for this list:

Post message: ORMUSandSpirit@yahoogroups.com
Subscribe: ORMUSandSpirit-subscribe@yahoogroups.com
Unsubscribe: ORMUSandSpirit-unsubscribe@yahoogroups.com
List owner: ORMUSandSpirit-owner@yahoogroups.com

You can also subscribe on line at:

<http://groups.yahoo.com/group/ORMUSandSpirit/>

When you subscribe to this list you will be sent a message requesting more information about you and how you learned about this list. You must send a response to this request in order before I will add you to the list. This is necessary to prevent spammers from joining the list and posting.

In addition to these forums there are over 100 local area ORMUS email lists. There is generally a local list centered within a hundred miles of most places in the United States and there are over 25 lists outside the USA.

These local ORMUS lists were created so that people can meet in person to work together on ORMUS related stuff. I also post information about upcoming ORMUS related meetings and lectures when they are to occur in a local area.

[Contact me](#) for a link to these local ORMUS email lists.

They are not moderated or anonymous. If you would like to set up a

workgroup in your area please let me know what country you live in and what city you live near. I regularly get reports of results from people, on these local lists, who have been making and ingesting their own m-state materials.

I initially started setting up the local area ORMUS email lists in January of 1999 so that folks who are interested in ORMUS would have a way to get together in person to work on ORMUS related projects. Some of the projects that I envisioned at the time are:

- Learning to make ORMUS using a variety of methods.
- Sharing resources to make ORMUS cooperatively.
- Sharing the costs of trying numerous ORMUS products (ORMUS "tasting" parties).
- Purchasing ORMUS related supplies in bulk.
- Building magnetic traps.
- Cooperative ocean expeditions to collect ocean water.
- Comparing personal ORMUS experiences.
- Setting up presentations for local and non-local speakers.
- Swapping ORMUS related books and videos.
- Organizing strategies to better get the word out about ORMUS.

While all of these joint projects are useful in themselves they also help to build community among people who have many common goals and values. I believe that community building is a very important thing right now. People who are good at working together are most likely to prosper in times of changing social structures.

I would like to encourage everyone who reads this to join a local ORMUS group. I am looking for volunteers to coordinate the local groups.

Remember, it is always best to have your own local source of supply for something as precious and useful as ORMUS.

Question: How can I learn more about ORMUS?

Answer: You can find basic descriptions of ORMUS at:

[ORMUS – Basic Overview by Barry Carter](#)

[ORMUS – What is it?](#)

[ORMUS - Scientific Overview by Barry Carter](#)

An illustrated article on ORMUS can be found at:

[Ancient Puzzles](#)

by Barry Carter

Articles on various ORMUS related subjects can be found at:

[Articles.htm](#)

David Hudson's lectures, patents and other related materials can be found at:

[What Is It?](#)

Question: Are there any reports from people who have used these materials?

Answer: You can find a number of these reports at:

[reports.htm](#)

Question: How might I contribute to ORMUS research?

Answer: There are many ways you can contribute. Two ways that I would suggest initially are to support this work financially by donating money and contribute by documenting your ORMUS experiences.

If you wish to make a monetary contribution contact me at sumro@zz.com.

Everyone who uses ORMUS is in a great position to contribute to our understanding of what it is and how it works. The easiest way to do this is to document the changes you experience with it.

Some of the most remarkable documentation that we have is from those few people who thought to take before pictures of problem areas. I just wish more people would do this.

One of the best set of pictures we have is the before and after picture of the tooth at:

[tooth.jpg](#)

and the beard at:

[m-copperbeard.jpg](#)

The "after" picture alone totally loses its impact without the "before" picture for comparison.

I just wish we had the before picture for Tut's tail at:

tutstail.htm

I also wish I had a before picture of the hands described in this quote:

"My hands were claw-like, arched and impossible to lay flat, with all fingers splayed apart due to the calcium deposits on the knuckles that forced the fingers outward. Each joint has calcium deposits that have twisted the fingers; in addition to looking old and awful, very painful. I can now lay my hands flat, and the fingers on the right hand are almost completely touching each other."

We have an after picture at:



hands.jpg

In this case one picture would have been worth much more than 67 words.

I asked this woman to take a before picture but she put it off. She did not expect the changes to happen so quickly.

Here is a list of documentation steps which would help the cause if lots of folks were to start them before starting their use of the ORMUS substances.

1. List all of your existing health problems and get a medical checkup which will document the existence of these problems.
2. Photograph every part of the body that might change with ORMUS ingestion. The following areas are particularly suggested:
 - a. The face including details of wrinkles and sagging skin.
 - b. Hair color. Get good close ups of any hair which has become gray.
 - c. Hair growth patterns and thickness (this would include baldness and hair loss)
 - d. Both sides of both hands.
 - e. Any scars, skin cancers or skin conditions like psoriasis or shingles.

- f. Swollen joints like finger joints, knees, wrists and elbows.
- g. Any broken or cracked teeth and visible cavities.
- g. A good picture of the spine which might show any spinal misalignment.
- h. A picture which shows the whole body profile.
- l. A picture which shows the whole body from the front.
- j. A picture which shows the whole body from behind.

The last three pictures would reveal hip rotations, differences in leg or arm lengths or other posture problems and should be taken with little or no clothing on. If you are modest about this sort of thing you can take the pictures with a film camera, leave the film undeveloped and store it in a safe place. Women may wish to take photos which show breast size and sag as both conditions have been known to change with the use of ORMUS substances.

These pictures can be taken with a digital camera, a disposable film camera, a video camera or a regular film camera. Every person will not need to take every picture. Just take pictures of those areas where change might happen.

3. Make tracings of the feet and hands. Some people have reported that their fingers and toes have gotten longer.

4. Measure your height. This should be done immediately after rising from bed in the morning as this is the time of maximum height during the day. Some people may get as much as 1.5 inches shorter over the course of the day. Several people have reported ORMUS related changes in their height. One woman has gotten 3.5 inches taller at the age of 53.

5. Check the pH of your saliva and urine first thing in the morning and last thing at night for a week before starting with a new ORMUS product.

6. Document changes in frequency, color, odor and ease of urination.

7. Document any changes in stool softness, regularity, color and whether it floats or not.

8. Document any changes in the sound you hear when things are quiet. Many people have reported that they hear a sound in their head after using ORMUS for a while. This sound is called the "hu" or "nada". Notice any changes in the frequency of this sound, it's intensity or the nature of the sound. I always hear a high frequency sound at around 11,000 Hz and occasionally hear a chirping

sound in my right ear. You can download a trial version of the NCH Tone Generator which can be used to compare frequency at:

<http://www.nch.com.au/tonegen/>

9. Document any noticeable changes in tooth pain, new teeth, tooth alignment, filling in of cavities or other changes in the teeth.
10. Women should document any changes in their period including changes in the level of menstrual cramping, PMS, periodicity changes, flow levels and resumption of menstruation after menopause.
11. Everyone should document changes in sexual response or orgasm intensity.
12. Some people have noticed that it is easier to quit addictive behaviors like smoking or other drug use. If you have any such addictions it would be helpful to document how those addictions change with the use of ORMUS.
13. Hair analysis can reveal mineral deficiencies over time. Before and after hair analysis would be helpful.
14. Blood tests can reveal immune system changes and/or cancer indicators. If you think that these things might be changing with your ORMUS ingestion it will be helpful to get copies of these tests from your doctor.
15. If anyone can think of any other things to add to this list I will make the changes.

If you are interested in helping out with ORMUS research but not quite interested enough to do all of the things listed above, documenting any portion of the list will be much better than doing nothing at all. This list order is a rough approximation of the order of importance of these various documentation tasks.

Question: Has anyone ever noticed any ill effects after ingesting ORMUS materials?

Answer: Occasionally people have reported unpleasant effects associated with the use of some of the ORMUS products listed on the SubtleEnergies web site. Most of these effects might be explained as follows:

First, the ORMUS elements appear to stimulate the body's elimination of toxins. This occurs first at the cellular level. As these toxins re-enter the blood stream they can trigger the same symptoms that they triggered when the toxins were originally stored in the cells. These symptoms generally do not

persist as long as they did originally but they may be a bit more intense for a short period of time. They are also reported to happen in reverse order from the present to the past. This process is called a "healing crisis". You can read a diary which describes these healing crisis effects from trap water at:

[Trap Water Diary](#)

The liver and kidneys have the role of cleansing toxins from the blood and eliminating them from the body. If these organs are not functioning well there can be a buildup of toxins in these organs which might harm them. For this reason it is generally best to do a series of liver cleanses and drink lots of water in conjunction with the initial stages of ORMUS ingestion. From my experience, few people have serious problems with this cleansing stage.

For some people the increased elimination load might result in constipation. The extra magnesium in ocean water ORMUS precipitate can mitigate this as it is the same as the active ingredient of milk of magnesia a notable laxative. An extra benefit is that most people are magnesium deficient and this is a good magnesium source.

Concurrent with the elimination process some people report tiredness or sleepiness. The Essene reported that during this stage some folks will get quite sleepy and that when they wake up they will "eat everything but the curtain rods and then they will go right back to sleep again." We think that this happens because the body is using up the energy stored in ATP to fuel the healing process. There are some indications that this tiredness can be prevented or mitigated by taking extra B vitamins, especially B-12 and the amino acid creatine.

Another issue that has been suggested by several ORMUS researchers and producers is that it is easier to benefit from ORMUS if the body is in a more alkaline state. There is some evidence that ORMUS products, particularly those with a magnesium or calcium base, will tend to alkalize the body. Other ORMUS sources appear to work better when the body is slightly alkaline. Most people on the conventional American diet tend to be acidic. The following foods and situations tend to move one toward the alkaline end of the spectrum:

All vegetables especially green leafy vegetables

Most all fruits including citrus fruits

Millet, Quinoa

Drink several glasses of spring water daily

Ripe olives

Raw almonds

Lima beans, Soy beans

Fresh green peas & green beans

Avocado

Goat milk (Contains lactose)

Low protein/low fat diet

Whey (contains milk sugar, lactose)

Ghee (clarified butter, a cholesterol-free saturated fat)

Moderate exercise

Relaxation exercises, i.e. deep breathing, yoga, etc.

The following foods and situations tend to move one more toward the less desirable acid end of the spectrum:

Excessive consumption of starches

All seafood. fish fowl ! & all flesh foods

Yogurt, butter, eggs. cow's milk, cheese

Wheat, oats. barley, rice, corn, bread, spelt

Kamut, amaranth, teff, buckwheat

All beans except lima and soy beans

High fat meals (more than 20% of calories from fat)

High protein diet (over 25 grams per day)

All pastas, macaroni, and noodles.

Crackers, chips

Overeating

Cooked tomatoes, pasta & sauce

Refined Sugar, corn syrup, honey, soda pop

Cookies, cakes, pies, sweets, etc.

Blueberries, cranberries, currants, plums, prunes

Carob

Allergic reactions

All nuts & seeds (except almonds)

Tobacco, Drugs

Margarine, lard, hydrogenated oils, corn & olive oil

All fried foods (fried in ghee, butter or oils)

Coffee, tea, alcohol, chocolate

Low water intake

Over exercise, lack of sleep

Anxiety, anger, worry, stress

Experts in this arena suggest that one should consume about 80% alkaline forming foods and 20% acid forming foods. You can find a chart with more information on this subject at:

[balance.htm](#)

Finally, David Hudson and others have suggested that certain substances can "pin" the ORMUS elements to their metallic state under some circumstances. These conditions apparently can happen in the body. According to Hudson the substances in question are sulfites (SO₃), carbon and carbon monoxide and nitric oxide. Since most of the ORMUS elements are toxic in their metallic form it is wise to avoid foods and situations which increase these substances in the body. There are some indications that the tendency for the ORMUS elements to drop to metal is minimized by having an adequate B-12 intake.

Question: Are there any books out on this subject?

Answer: You can find an ORMUS related booklist at:

[booklist.htm](#)

You can find more information on the items referenced in the text at the following links:

(1) [Natural Sources of ORMUS Materials](#)
<http://www.subtleenergies.com/ormus/health/sources.htm>

(2) [Living Water, Vital Air](#)
<http://www.subtleenergies.com/ormus/tw/livwater.htm>

[Promising New Technologies](#)
<http://www.innerx.net/personal/tsmith/newtech2.html>

[Homeopathic Resonances and ORMUS](#)
<http://www.subtleenergies.com/ormus/tw/homeopat.htm>

(3) [Manipulating the ORMUS elements](#)
<http://www.subtleenergies.com/ormus/tw/Manipula.htm>

(4) [Methods](#)
<http://www.subtleenergies.com/ormus/tw/methods.htm>

(5) [ORMUS and Consciousness](#)
<http://members.aol.com/yggdras/paraphysics/BCarter.htm>

(6) [Magnetic Levitation "Movie"](#)
<http://www.subtleenergies.com/ormus/research/levitate.avi>

(7) [Health Effects of the ORMUS Elements](#)
<http://www.subtleenergies.com/ormus/health/health.htm>

(8) [ORMUS FAQ](#)
<http://www.subtleenergies.com/ormus/faq.htm>

I have written a number of other articles, which also might be of interest:

[Patterns of Motion](#)
<http://www.subtleenergies.com/ormus/tw/patterns.htm>

[Paramagnetic Forest Soils](#)
<http://www.subtleenergies.com/ormus/tw/paramag.htm>

[ORMUS and Quantum Evolution](#)
<http://www.subtleenergies.com/ormus/tw/evolution.htm>

[ORMUS Variations](#)
<http://www.subtleenergies.com/ormus/tw/variation.htm>

[ORMUS, DNA Repair and Health](http://www.subtleenergies.com/ormus/tw/dna.htm)

<http://www.subtleenergies.com/ormus/tw/dna.htm>

<http://www.rexresearch.com/ormes/ormes.htm> REX RESEARCH on Hudson.

<http://www.rexresearch.com/ormes/hudsnlec.htm> REX RESEARCH “Has the Philosopher’s Stone Been Found?”

<http://www.lyghtforce.com/WhiteGold/> White Gold Mail List & David Hudson Information.

YOUTUBE Related Videos

<http://www.youtube.com/watch?v=68jtnuMAa00> Philosopher’s Stone, Make your own.

<http://www.youtube.com/watch?v=ifFggud9ppQ&feature=related> How to make ORMES Gold

<http://www.youtube.com/watch?v=NDAtlmyJzbA&feature=related> Ormus Warning construction tips.

http://www.youtube.com/watch?v=Hg_4pUmGIU8&feature=related How to make an Ormus Shaker.

<http://www.youtube.com/watch?v=9n7Qpk9wAqs&feature=related> How to make an Ormus water bubbler.