

The Strategic Implications of The Lunar Fusion Revolution

Here is an abridged transcript of the Jan. 22, 2014, LaRouchePAC New Paradigm for Mankind Weekly Report, featuring Creighton Jones and Natalie Lovegren for the LPAC Basement Science Team, and Lyndon LaRouche. The [video](#) is posted at www.larouchepac.com.

Creighton Jones: Good afternoon. Joining me on the program today are Natalie Lovegren of our Scientific Research Team, and as always, Mr. Lyndon LaRouche.

Today we'll be taking up the re-emerging strategic implications of a light matter, that of helium-3, and the implications of the recent landing on the Moon by the Chinese; and what they've been saying very publicly, is an intention to mine the Moon for such elements as helium-3. Now, helium has many uses beyond just being able to float birthday balloons.

As we've reported, Harrison Schmitt, a pioneer of the space program, a former astronaut, who himself had landed on the Moon at one time,¹ has said that the Chinese have made no secret of the fact that their landing on the Moon is not simply just a sideshow, something for propaganda purposes, but is part of a very long-arc-ing strategic policy, a policy which includes the development of the Moon for mining, among other things,

1. Harrison Schmitt, a NASA geologist, was the first scientist to fly in space, as a member of the 1972 Apollo 17 crew, and the last man to stand on the lunar surface.

helium-3, which is an ideal fuel for fusion.

But it's important to contrast the two different directions that we're now seeing coming from China, as opposed to what we've been seeing coming from the United States.

Now, just to look at the recent history, in 2004, the United States put forward a pretty robust idea of what should be the space program for the U.S., moving forward. And this was coming in the wake of the *Columbia* disaster of '03, and so there was an attempt to say we've got to get the space program back on a positive footing; we've got to bring back morale to NASA and to the population. And the way we're going to do it, is we're going to go back to the Moon. That was the policy that was put forward in 2004.

And it was a pretty comprehensive strategy, of sending robotic instruments to the Moon, searching the Moon for areas of strategic resources, including water. And the intention was that we were eventually going to send human beings back to the Moon for exploration; we were going to set up permanent bases on the Moon; and we were going to do this as part of an overall strategy of just continually moving out, and extending our human influence into the Solar System. That was the intention.

It was reaffirmed again in 2008, with the Congressional NASA Authorization Act, which reaffirmed this commitment to the United States again becoming a leader in the world for space exploration, with the first focus being a return to the Moon.



LPAC-TV

Lyndon LaRouche was joined for the Weekly Report discussion Jan. 22 by LaRouche Scientific Research Team members Natalie Lovegren and Creighton Jones, who moderated.

Obama: ‘Kill It!’

That was all killed, once Barack Obama came into office. Obama came in, and one of the first things he did in regard to NASA, was he set up this so-called blue-ribbon commission, the Augustine Commission, that was headed by space pioneer Norman Augustine, who came back and said, “Look, if we want to continue this policy, this mission to the Moon and everything we’ve elaborated over the last years, we’re going to need about an extra \$3 billion and we can make this happen.”

And the response from Obama was, “Kill it! We’re going to kill it! We can’t afford it. We can afford trillions of dollars going to bail out the worthless banks, but no, we can’t afford the space program.”

Now, for Obama, as we’ve come to understand, it wasn’t simply a money issue. It was really an anti-human issue, it was an anti-science issue. And so Obama said, “Kill it.”

Then, in 2010, you had this crazy speech, where he went to the Kennedy Space Center, giving a speech before a number of people who were on the verge of losing their jobs because of the shutdown of the Shuttle program, which was supposed to be replaced by the Constellation program; we were going to have the Orion vehicle, the Ares rocket, which were going to, again, give us the capability for low-Earth orbit, to be able to get back to the Space Station, and eventually this would become part of our Moon exploration program.

That’s been killed. Constellation’s now dead; these

people are all now losing their jobs, because of the shutdown of the shuttle program.

Obama goes before them, gives a speech and says, oh, don’t worry—the Moon? Been there, done that, who needs to go back to the Moon? What we’re going to do is, we’re going to capture an asteroid! What asteroid? We still don’t know! It’s completely unclear where this idea even came from. I spoke to the heads of the various departments at NASA, and none of them could say where this policy came from on the part of Obama. They don’t even have an idea.

And so that’s the policy you had from Obama, which is no mission.

You parallel this with the collapse, then, of the funding for fusion, the frontier of energy development, the next platform for what should be our energy policy. That also peaked in the ’80s and has collapsed ever since.

So the U.S. has been on a trajectory of collapse, really since the assassination of Kennedy, as we’ve continually made the point, and it’s only gotten drastically worse under this current Obama administration.

Now, you look at that in contrast to what we’re now seeing emerging from the Chinese government, and I think it’s important to just get a sense of their strategic outlook: look at the appointment to head their space program of Xu Dazhe, who was recently put in as the director of the Chinese space agency, and is simultaneously the head of their Atomic Energy Authority, and he’s the head of their science, technology, and industry development for the Department of Defense.

So you see, for them, there’s a certain unification of these ideas, of this policy.

But now, to give people a better sense of exactly what is the value of helium-3 on the Moon, and the implications of it, we’ve got Natalie Lovegren.

Prometheus vs. Zeus

Natalie Lovegren: All right. I think it’s important to first situate this philosophically, because, in recent weeks, the issue is the historical fight between Prometheus and Zeus, and what you just described with the breakdown of NASA, with the attack on the fusion

energy program in the United States—that is the result of the Zeus tradition taking over in the United States. What Obama has done to kill the space program and so on, is the oligarchical principle at work. And we have, on the other hand, the Promethean nature of mankind, and we can see that in the tradition of John Kennedy.

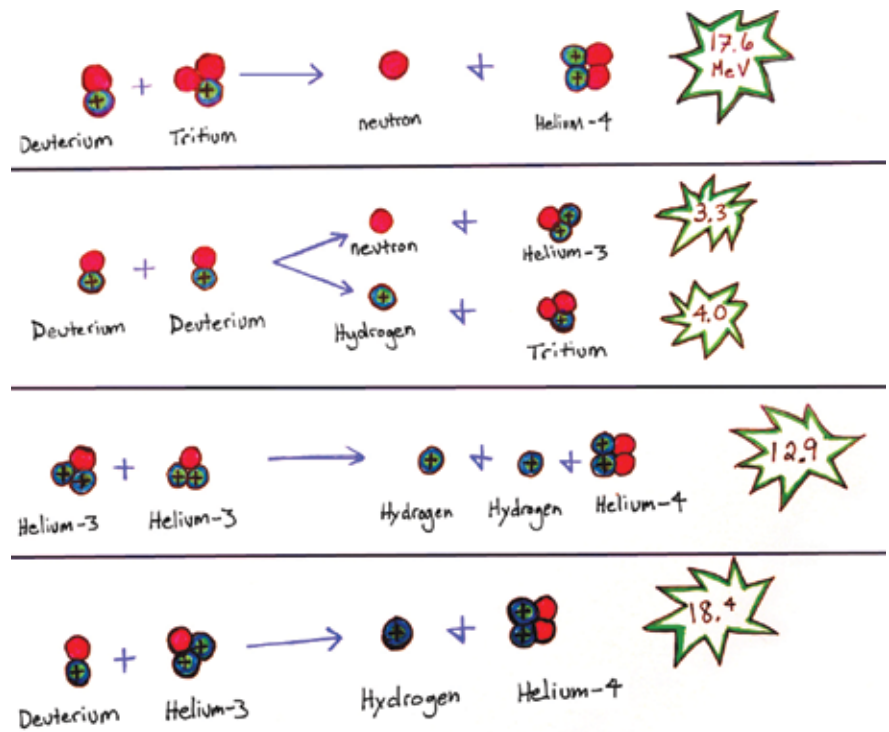
I wanted to start with a quote from the chemist Humphry Davy, that illustrates the thinking, the two choices that mankind has to make:

“Man, in what is called a state of nature, is a creature of almost pure sensation. Called into activity only by positive wants, his life is passed either in satisfying the cravings of the common appetites, or in apathy, or in slumber. Living only in moments he calculates but little on futurity. He has no vivid feelings of hope, or thoughts of permanent and powerful action. And unable to discover causes, he is either harassed by superstitious dreams, or quietly and passively submissive to the mercy of nature and the elements.

“How different is man informed through the beneficence of the Deity, by science and the arts! Knowing his wants, and being able to provide for them, he is capable of anticipating future enjoyments, and of connecting hope with an infinite variety of ideas. He is in some measure independent of chance or accident for his pleasures. Science has given to him an acquaintance with the different relations of the parts of the external world; and more than that, it has bestowed upon him powers which may be almost called creative; which have enabled him to modify and change the beings surrounding him, and by his experiments to interrogate nature with power, not simply as a scholar, passive and seeking only to understand her operations, but rather as a master, active with his own instruments.”

So, keeping that in mind, I want to go through the story of helium-3, what has developed, the work that was done in the United States, that the Chinese have now taken up. We’ve abandoned this tradition; the Chinese are now going in this Promethean tradition, you could say.

FIGURE 1
Fusion Reactions



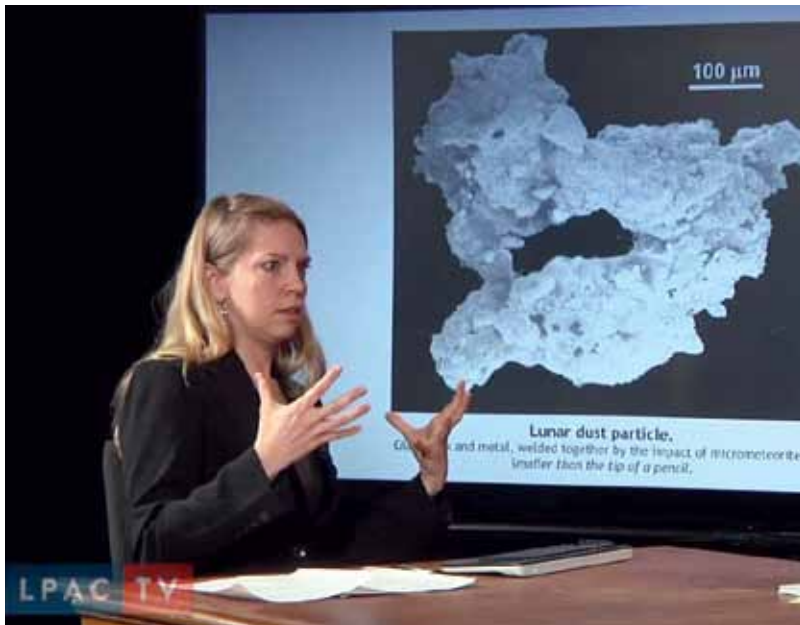
EIRNS

The Fusion Reaction

Our first stop is the University of Wisconsin: There’s a Fusion Technology Institute there, and back in the 1980s, fusion scientists there were trying to figure out what were the most effective fusion reactions.

Fusion is the process by which you have light elements whose nuclei are forced together, so you get products of heavier elements, and then a great energy release. What they were studying were different isotopes of hydrogen (**Figure 1**): These are deuterium and tritium, and the products that they would produce in the fusion reaction. In the first reaction, you have deuterium and tritium: They’re both hydrogen isotopes; tritium is a radioactive hydrogen isotope, and in that type of a reaction, when you force these two hydrogen nuclei together, you get a neutron; you get helium, and you get a big burst of energy. A similar situation in the reaction in which you use two deuterium isotopes—also hydrogen.

You can get a couple of different options here: Either you get neutrons and helium-3, or you get hydrogen and tritium. Now, the interesting thing, the key point here that they were looking at, is the distinction between having neutrons in your reaction and having



LPAC-TV

Natalie Lovegren's presentation elaborated the importance of helium-3, abundantly available on the Moon, but scarce on Earth, for development of thermonuclear fusion power.

other, positively charged particles. So, if you now look at the helium-3 reactions, you have only positively charged particles. Why is that important? That's important because, if a particle has a charge, you can control it in a magnetic field. And also, electricity is nothing more than a current of charged particles. So instead of having to convert heat into electricity, you are getting electricity directly out of the plasma.

Another problem with the neutrons is that, because they are neutral, they have no charge, so you can't control them, and they tend to bounce around and destroy the reactor walls; this is a big issue of how to protect the reactor walls from energetic damage from the neutrons.

So, for these two reasons—you get a higher order of power, because you're able to have direct energy from the charged particles, rather than if you take the energy from neutrons; it's kinetic energy, it's energy of the motion, it's heat energy. So you then have to convert that heat energy into electricity; it's an extra step.

So these scientists figure out, well, Wow!, if we use helium-3, we're getting rid of one of those neutrons from the helium-4—this is an isotope of helium, meaning it has one less neutron—and so the reactions give you only these charged particles. So, where do we get helium-3?

Jones: You have a lot more control with the helium products.

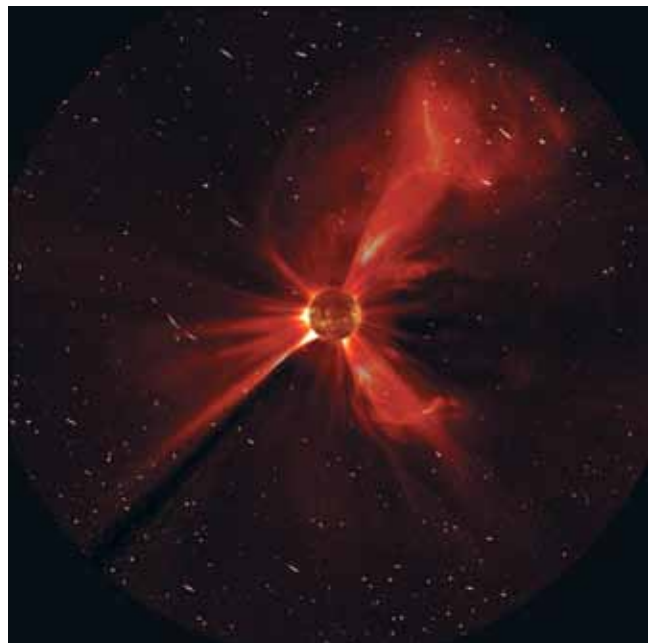
Lovegren: Right. You have more control, and you have direct electricity; so this is more efficient.

Now, these scientists asked, "Where can we get helium-3?" It's a very rare isotope on the Earth. If you take all of the natural gas out, you would only find about 200 kg of helium-3 trapped in the Earth, so this is clearly impractical. The other source is the decay of tritium in thermonuclear weapons. But, still, the United States has about 500 kg worth of helium-3 as a result of that. So that was also not a feasible option; you can use it to get the program going, but for continuous energy, it's not viable.

So these fusion scientists, being fusion scientists, remembered: "Wait, the Sun is a giant thermonuclear reactor. The Sun must be producing helium-3." The reason we don't have helium-3 on Earth is because we're protected by a magnetic field.

Now, this gets into the issue of the solar wind (**Figure 2**). The Sun is constantly fusing light elements into heavier elements to create its energy. So all of these solar flares that you see—it's a plasma, it's a stream of charged particles, in the form of

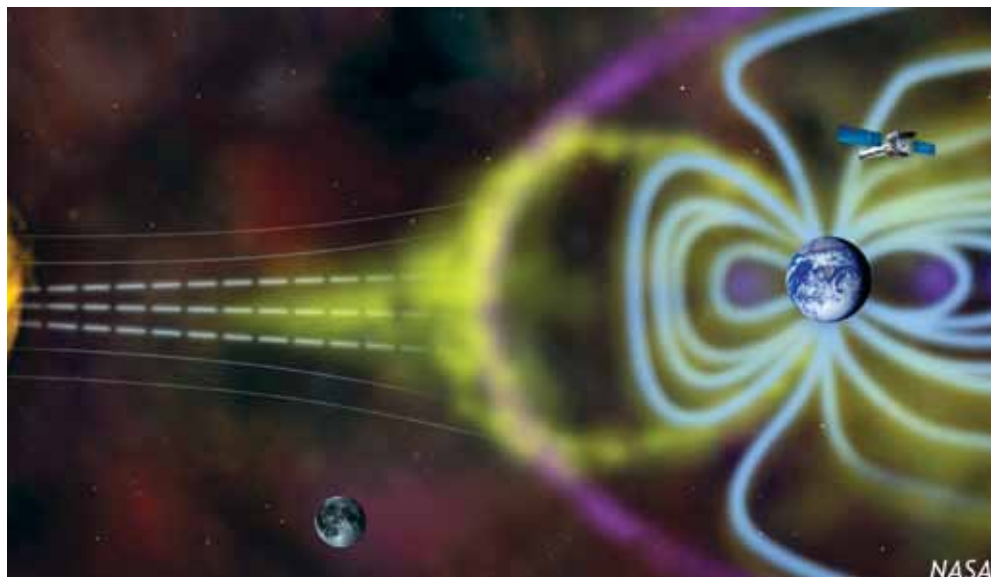
FIGURE 2
Solar Wind



NASA

FIGURE 3

Solar Wind: Earth Surrounded by Its Magnetic Field, with Moon Exposed



mostly helium and hydrogen. These are coming out into the Solar System, and they will reach anything in its way. But if you look at the case of the Earth, the Earth is protected by a very strong magnetic field, so we don't get these products of the solar wind (**Figure 3**). The Moon, on the other hand, is completely exposed when it's on this side of the Earth. So the Moon receives the products of the solar wind.

The Wisconsin fusion scientists went down to NASA in 1986; they went down to Houston; they wanted to look at the lunar samples, and they said, "We want to know if there's any helium-3 in these lunar samples." And the scientists at NASA said, "Yeah! Sure, there's helium-3 all over the place. It's in every rock, what do you want it for? Is it good for something?" And they didn't even know! They said, "We've known, since 1970, that there was helium-3, but we didn't know it was good for anything."

So you have this issue of specialization; people don't talk to each other, and they let 16 years go by, before they finally make this connection.

On the Moon

Now I want to get into some of the details of the Moon; here's another picture (**Figure 4**); you can see the seemingly barren Moon, and the Earth

with its magnetic field. I want to get into how the surface of the Moon is able to hold these resources. This is a famous print (**Figure 5**), but the interesting thing about this is: Look at the edges on the boot print. You can see that they're very crisp. Why is that? Because this lunar dust is extremely fine, it's much finer than even powdered sugar. It's made of the same things that we have on Earth; it's essentially sand, silicon dioxide, a little bit of aluminum. And the lunar surface has a very similar

FIGURE 4

Earth and Its Magnetosphere Seen from the Moon

(Artist's concept)



FIGURE 5

Apollo 11: One Small Step



NASA

composition to the Earth, but there's a completely different weathering process. The Moon doesn't have an atmosphere; it doesn't have the magnetic field to protect it from the solar wind, so you have a process that's going on, where the Moon is exposed to these elements in a different way.

This is another issue of the weather: There are micrometeorites. Now, these type of meteorites, while they're extremely small, they're extremely powerful, very high energy: They're travelling 50-60,000 miles per hour. This one, if you take a mechanical pencil tip, the finer ones, between .5 and .7mm: This is a glass sphere from the Moon of about that size, the size of a mechanical pencil tip (Figure 6). Those holes in it, those are craters from the impacts of micrometeorites.²

Now, the size of the projectile, the micrometeorite, is even smaller than that! So you have these very, very tiny meteorites hitting the surface of the Moon all the time, at speeds of over 50,000 mph; and what are they doing? They're just pulverizing the surface of the Moon. So you have a process whereby this glass is being formed; it's being smashed; it's being melted; it's being vaporized; and then it re-agglutinates with the other minerals on the Moon.

And here's a diagram of that process (Figure 7). You have the solar wind, the micrometeorites: These are all just churning up the surface of the Moon, and making a very unique substance. Here's another picture of an impact crater from a micrometeorite (Figure 8).

2. While sand on Earth is mostly composed of silica in the form of quartz crystals, which are slowly weathered into small particles by our oceans, the Moon is weathered by violent impacts of micrometeorites, whose high energies and temperatures melt the Moon's silicate "sand" into glass.

FIGURE 6

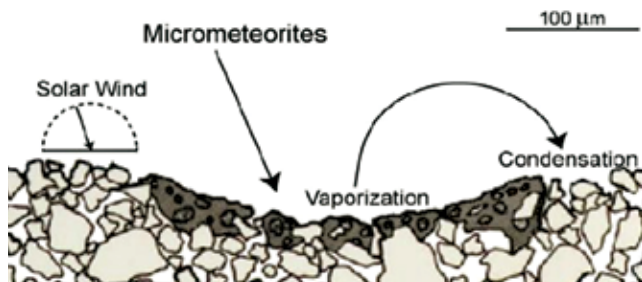
Lunar Glass Sphere with Impact Craters from Micrometeorites



NASA/JCS, David S. McKay

FIGURE 7

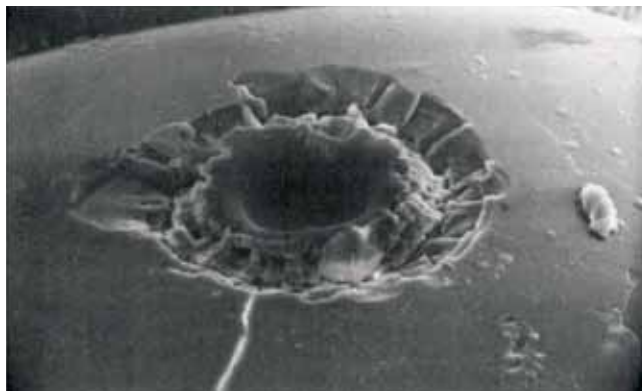
Weathering of Lunar Soil



Larry Taylor

FIGURE 8

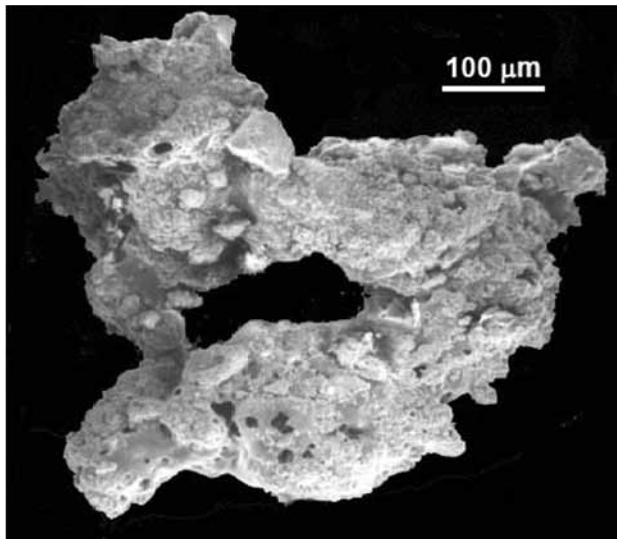
Zap Pit



NASA/JCS, David S. McKay

A SEM (scanning electron microscope) photo of a high-velocity impact pit on an Apollo 11 glass sphere. The central pit is 30 microns in diameter.

FIGURE 9
Lunar Dust Particle



NASA/JSC/David S. McKay

Shows glass, metal, and minerals welded together by weather on the Moon.

So the lunar dust particles come out to this jagged, abrasive, extremely small particle. This is so irregularly shaped, that if you had a sphere the same size diameter, the lunar dust particle would have eight times the surface area. So they're extremely irregular (**Figure 9**).

Now, this was a huge problem for the astronauts that went to the Moon, because this stuff just stuck. You kicked it up; there's one-sixth gravity on the Moon; there's an electrostatic charge all over the Moon, because of this charged solar wind, and so, the dust is a huge nuisance; not only that, it's scratching up all of their equipment. Maybe some people have seen the [video](#) where Harrison Schmitt is falling down all over the place. He had a camera on the front of his suit, and he would fall into this highly abrasive dust, scratch up all his lenses, and the guys on the ground were saying: "Brush off your lens! Brush off your lens!" It didn't work.

But there's a secret to this lunar dust. It seems like a really huge hassle, but if you know the secret to it, it is actually one of the most valuable raw materials that we have ever found out about. The secret is that the dust is *magnetic*: You can see a picture here (**Figure 10**): This is a sample from Larry Taylor at the University of Tennessee; he is the lunar geologist; he was on the ground in Houston in 1972, when Harrison Schmitt, the only scientist who went to the Moon, was on the Moon. So they were in collaboration as geologists. And over the past 30

FIGURE 10
Particles of Nano-Phase Elemental Iron Suspended in the Lunar Glass with a Magnet



EIRNS

years, they, in collaboration with the fusion scientists at the University of Wisconsin, have made some enormous breakthroughs on the nature of this soil, what this means for helium-3, what this means for mining the Moon.

Now he made a very important discovery: You see here, somebody holding a hand magnet, and you can see the dust stick to that magnet. Why didn't they know about this before? It's magnetic: Why is it magnetic? First they thought, well, maybe it's because the meteorites have iron and they're getting iron; but wouldn't it be iron oxide and...?

What happens is, there are very tiny particles, much smaller even than the micrometeorites; these are on the nano-scale, so, a thousand times smaller (**Figure 11**). These particles of elemental iron are suspended in the lunar glass. So all of those little white specs, that's nano-phase elemental metallic iron, which is magnetic.

Lyndon LaRouche: Oh God, this is well-known. This is nano-engineering.

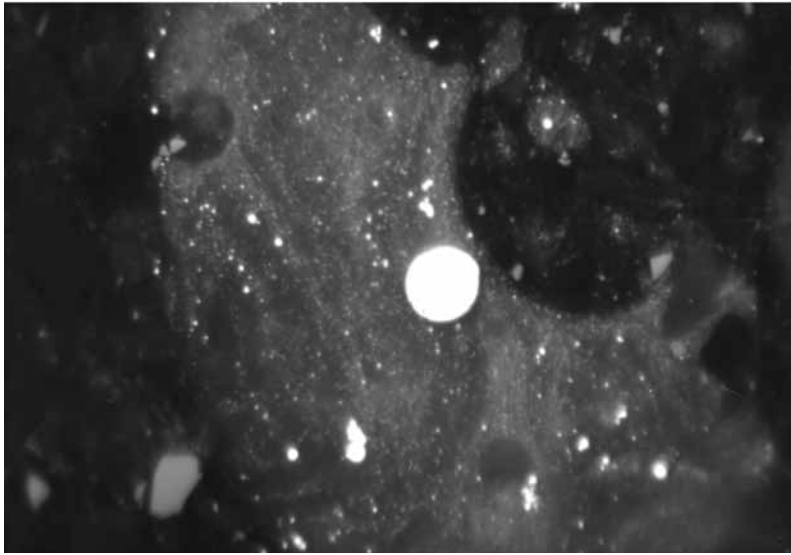
Lovegren: Right. So when they figured this out...

LaRouche: The Italian scientists were doing this in China, with the reinforcement of steel production. They would just process it with this stuff, and strengthen the whole steel structure.

Lovegren: So it's very strong! And there's a lot of implications to this. Now, the obvious one, the magnetic properties, well, that just deals with the nuisance of the dust.

FIGURE 11

Nano-Phase Iron (Fe) Suspended in Lunar Impact Glass

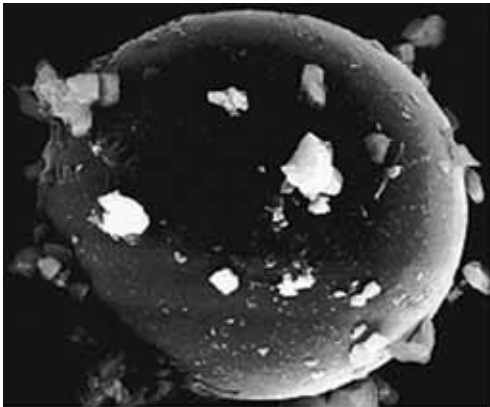


Lawrence Taylor

This image taken with a scanning electron microscope.

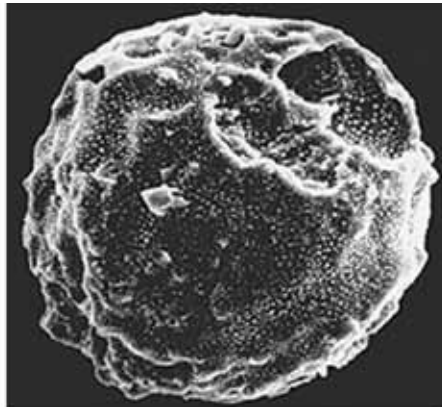
FIGURE 12

Hydrogen-Oxygen-Iron Reaction on Moon Glass Bead



50 μm

Before reaction with hydrogen



50 μm

After reaction with hydrogen

NASA

Lunar glass containing iron before and after reaction with hydrogen. Lab simulation of chemical reaction caused by solar wind-implemented hydrogen, which reacts with iron oxide, leaving elemental magnetic iron in the glass.

LaRouche: That's how the strengthening process, the nanomization of metal.

Lovegren: Right! So, what does it do? They experiment with it—and this is how it becomes magnetic (**Figure 12**): The solar wind is creating this magnetic iron. You have the solar wind sending in hydrogen; the

hydrogen reacts with the oxygen in the iron oxide, and it weathers these particles more, and it creates the elemental iron.

LaRouche: In other words, they're working for us—we just don't know it!

Scientific Miracles

Lovegren: Right! So, now, think about this whole process in terms of this new discovery (**Figure 7**). They found out that iron is able to be vaporized on the Moon. We didn't know iron could do that; that's amazing!

So what are the implications of this for mining (**Figure 13**)? The other important discovery that Lawrence Taylor and his colleagues made at the University of Tennessee—they're scientists, real scientists, so they like to play; and they're also in the United States, where we like to play with microwaves. So they thought, I wonder what would happen if we put some lunar soil in the microwave.

So they did. They just put it in the kitchen microwave—and what happens? It melts in a little over a minute! Which is amazing, because iron melts at 1,535°C. And the other thing is, everybody knows you're not supposed to put metal in the microwave. So, what's going on here?

This is an issue of the difference between a bulk metal, which is if you take a solid piece of metal, it's opaque to microwaves; the microwaves just reflect off of it. But, if you take a powdered metal, the microwaves

are absorbed, because of the difference in size, and you have an effect where you have very small particles of metal acting as conductors that are layered with a dielectric, which is an insulator. So in the case of a powdered metal, it's the metal particles with the air in between—and in the case of the lunar dust, you have these

FIGURE 13

Lunar Base Concept Drawing



NASA

very small pieces of iron layered with glass, which is your insulator.

So you get this effect with the microwave energy, where you take a very small amount of energy—this is a normal kitchen microwave, and the energy creates very high temperatures by coupling with that particular characteristic of this material.

One last thing: The implication of this, is that you can make concrete out of this, your *in situ* resources: All of your lunar soil, then, instead of being a hassle, becomes your biggest asset. You heat it up a little bit with low-energy microwaves, and you release the helium-3! So you get it up to 700°C—you can put some type of dome over it to capture the helium, heat it up a little bit more, you capture the nitrogen, oxygen, other volatiles that are going to be useful for making water, making air, and for other purposes.

LaRouche: And this is a characteristic protection, the magnetic field protection, of Earth from this crap.

Lovegren: Mm-hmm!

LaRouche: Now we have to figure out how to handle the processing of that product into the United States, onto Earth, for our use, for the helium-3 application to the question of achieving a fusion system on Earth, on the basis of a dialogue, in effect, in practice,

from the Moon, which is the basis of the operation. And you connect the Moon resource to this resource inside the magnetic field of Earth. And that will give us fusion. And you control the transfer by consuming the product in fusion! And that's the way this thing that China is working on can immediately work.

That's a revolution—by combining these factors together, we have the immediate solution both of the strategic situation in the planet, and also the strategic situation of the ability to utilize and develop that capability! Both are available if people have enough brains to do it. This is miraculous; this is beautiful.

Absolutely beautiful! A very beautiful argument, I must say.

Lovegren: I want to show one more design. Larry Taylor, the lunar geologist, made all sorts of inventions based on this principle. This is a “microwave lunar paver” (Figure 14). You have microwaves attached to this lawnmower-looking thing, and you roll it over the surface of the Moon, and it paves the Moon, so you can create landing pads, you can create a place for observatories, because dust is a big concern for astronomers. You could smooth out a crater, put it inside a crater and make a satellite dish. You can make all sorts of things: You can make radiation shields. The lunar soil is the perfect radiation shield, so in this picture (Figure 4), they have the dust concrete as part of the shield.

LaRouche: It all goes together, it all fits together.

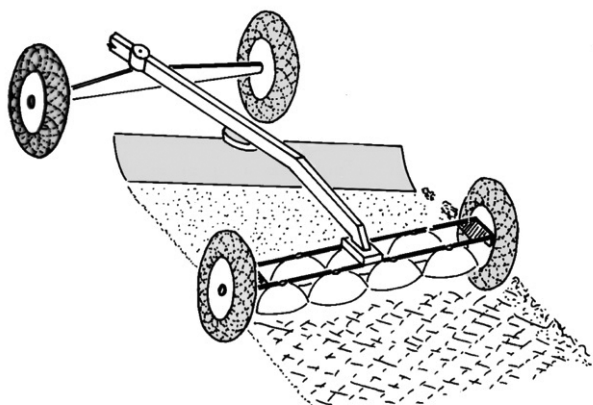
Lovegren: Yeah! It's perfect.

No Longer Earthlings

LaRouche: So, now this means, we're no longer Earthlings, if we do this. If you can work from inside the magnetic field of Earth, and operate therefore interchangeably, in terms of chemical operations, with what's outside the magnetic, or relatively outside the magnetic field, you now have eliminated the imprisonment of

FIGURE 14

Microwave Lunar Paver



Design by Lawrence Taylor

people as being Earthlings. Not only can they live outside the Earthling environment, in a certain way, but they can also trans-live in function across that barrier.

Jones: Krafft Ehrlicke would talk about the Moon as “our sixth continent.”

LaRouche: That’s the wrong way to look at it. The way to look at it, is, you look at it as what it *is*: The Moon is a satellite of Earth. So it’s not a continent, it’s a satellite of Earth. It’s a necessary part of the Solar System, which has to be treated as an integrated function. You don’t have to spin these things off as if they were separate—they’re not separate parts! The Solar System has no separate parts in it: Everything in the Solar System is connected. That’s what makes it a Solar System. How could it be a Solar System and live so long as a Solar System under the embrace of this great monster, the galaxy? That can only happen under that kind of shielding.

And this is rather a quasi-historic fact. Because the birth of the Sun itself, is an event known to have been a phenomenon of the galaxy; and it embraces the Solar System, the galaxy embraces the Solar System with a *crushing* control. It’s a baby, which never is allowed to grow up. And the parent, the galaxy, is known for very bad temper! As some of the system is.

No, this is of great strategic significance. It’s of the utmost importance in strategic significance, and I think that some people in China, already know the secret! I think the government of China, implicitly, therefore, knows the secret.

And what you’ve laid out here, in terms of this additional detailed evidence on the Moon’s relationship to the Sun, and the relationship in turn, to Earth itself,

within its own magnetic field—you’ve now laid out something which, for the coming *century* or two centuries and beyond, defines a completely new role of mankind, of this nature. Which means that mankind is now no longer a bunch of Earthlings, but rather has galactic implications. Because in order to try to change the Solar System, or features of the Solar System which are characteristic of the Solar System, you have to control the damned galaxy! You have to come to a deal with the galaxy, which you can control yourself against its playful ways.

I think what we’ve put on the table, right here, right now, is exactly that kind of implication. It doesn’t mean we’ve finished anything off, but I think the fact that these facts laid before us on the table, opens the gate to actually achieving a further development which will lead to an understanding of what we have put on the table right now.

Therefore, it’s important, from a research standpoint, that the research process engendered by following through these clues, should be followed through to get more clue material in order to come up with a feasible application.

We Need Strategic Thinking

It’s just like what I’m concerned with right now, this other subject, which I only typified by exhibiting this thing, and I should probably say exactly what it is, so we inform our audience here: What I’ve done is produce a magazine production, and it would obviously be a dominant leading feature of the magazine. When you take the implications, it’s the thing that *EIR* must do immediately: It’s a policy question that they’d be stupid if they don’t do it immediately.

Because we’re at a point now, looking at the application of this subject of discussion before this table now: We have a situation, in which most of even members of our own organization are stupid, when it comes to strategy. Our membership, in its best aspects, function as tacticians. They are able to apply a local situation to an interpretation of the use of the situation, in the context. Strategy does not operate like tactics, tactics within the framework of the subjects of strategy.

Now, many people, unlike, perhaps, our national defense organization, the Joint Chiefs of Staff level, as in the tradition of great generals in our nation’s organization; the greatest generals in the world, in known history to date, like the great one who was a hero in Pacific theater, Douglas MacArthur, the greatest general in

terms of strategic capabilities, on his own part, because he also was senior to Eisenhower! And Eisenhower was actually a product of the administration of leadership under MacArthur.

So therefore, the problem is, that practically no politician, except maybe a handful, inside the U.S. Congress or most of the other government institutions—most of them have no comprehension of the distinction of strategy from tactics. The ability to deal with what we're really faced with immediately—it could happen within days, or weeks, or slightly longer—but the entire trans-Atlantic part of the world is in the grip of the British Empire, the British Empire in its actuality, not some mythical description.

That empire is now determined to do two things: First of all, its primary, long-term objective, is to reduce the population of this planet Earth from 7 billion people approximately, to less than 1 billion people. Everything that the United States population has suffered, since essentially the assassination of President John F. Kennedy, has been moving in that direction. That direction was already under way, at the point that President Roosevelt died. Since that time, the United States has been operating, since the Truman Administration on, under British imperial direction, which was intended to destroy the United States by gobbling it up, as a mere appendage of the British Empire.

Now, under most Presidents since that time, with a couple of exceptions, the best Presidents of the United States have been either people who lacked understanding of this issue, or had a weak appreciation of its importance.

We've now come to the result that we've divided the planet into two general areas, with complications in each: The one side, which is the trans-Atlantic region, is essentially an extension of the British Empire, primarily; because the British Empire owns the United States right now, in terms of its recent Presidents, especially the previous one and the present one. They're merely errand boys for the British Empire.

So therefore, we have to step outside the problems of anything that a member of the Bush family, and I do mean the Prescott Bush family, specifically, in their influence since World War II period, their part in the World War II period: Prescott Bush was a key agent of the British, in a group of people who influenced and corrupted and controlled the United States since the death of Franklin Roosevelt.

So now, we're in a situation, where they are doing

what they want to do, that is, the Green policy, and the Green policy is an intention to destroy the size of the human population of the planet. This is the key to the strategic, planetary issue!

The Eurasian Region

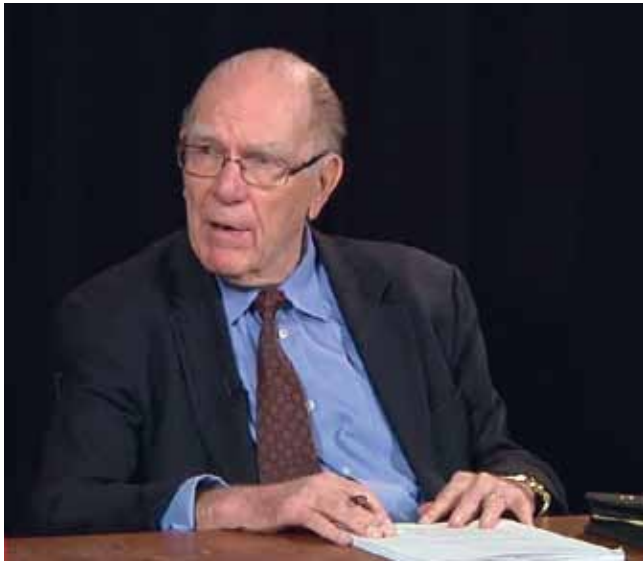
Now, to understand what the planetary issue is, you have to understand the key. The other part is, that a section inside Eurasia as such, which includes Russia—it's mostly the Eurasian region, which goes from various satellites of the former Soviet Union, all the way to the Pacific. Now this region, typified by Russia, China, and also significantly India and so forth, constitutes a Eurasian region, which in recent times, apart from the terrorist elements such as the Chechens and so forth, and the Saudis and so forth, apart from them, you have an area which is now actually growing economically, and sociologically, and culturally. This section of the world, the Eurasian part, is now growing.

But you have, apart from the Eurasian part which is growing, in some degrees, as in China, at an accelerating rate of advancement, as this project defines; so the Moon landing project now, under China's conception, as what you put on the table here—this means that the means exist in Eurasia, such that Eurasia is rising per capita in terms of its productivity, while the trans-Atlantic region is *rotting into death!* You may have exceptions in some degree in Argentina and so forth, you may have pockets of things which are not actually rotting on the vine. But, the general thing is, the United States, like the larger area of the trans-Atlantic region, is rotting on the vine at *an accelerating rate.*

That means that the British Empire, which is the mother of this area, is faced with the fact that its present policy, if continued, is causing their entire region of the world that they immediately control and occupy, to come into virtual extinction, a disintegration worse than that suffered by the Roman Empire in its collapse, as is typical of Zeusian formations, such as that.

But against this, you have the rise and consolidation of power, that is the power to produce, the power to live, the power to raise the standard of living to achieve things on behalf of Earth! On the one side, the Eurasian sector dominates: Growth! On the other side, the British sector, including its victim the United States, *is dying!*

So therefore, this contrast, between two thermonuclear-armed sectors of the planet, the conflict is such that the only way the British side, Anglo-American side, the trans-Atlantic side, can survive in its *present*



LPAC-TV

Lyndon LaRouche summed up the discussion: “We must bring about the kind of change in the course of civilization, which has been the intention of humanity, the Promethean intention of humanity, which can crush the evil, the intrinsic evil of the contrary view, of the Zeusian view.”

form, under its present conditions of policy, is to try to save its ass by going to a challenge of thermonuclear threats, and even thermonuclear warfare, on a planetary scale! *This is the immediate strategic point of crisis of the planet’s civilization! This is the only real strategy which defines what could happen.* This is the only decision-making which is worth anything *now!*

All people, including members of my own organization, are *incompetent for their failure to comprehend this reality.*

And that is really the implication which follows on what we’ve discussed, in your discussion, the two of you, this morning. And that is the reality, which has prompted my production of what is approximately 40-page insert as the leading feature, in the coming issue of *EIR*. If that does not happen, heads must roll!

And that’s the commitment which I say publicly now, for the edification of both our members and the population of the world generally. A lot of people know these facts, they know them in their own terms, not necessarily my terms. But the facts essentially remain the same. And it’s upon the basis of these *kinds* of facts, when duly considered, in their relative relationship to one another—and that’s what’s important, the relative relationship to one another *of a system*; and it’s only when you think about the relative features and relationships *of a system*, that you have a competent concept of

strategy. That does not mean just military strategy, it means *global strategy* in every respect.

It means the strategic response to Earth’s situation, within the immediately nearby parts of the Solar System, and the further considerations of the larger part of the Solar System. And then, what is our strategic relationship to this ugly creature, this Ugly Mother, called the galaxy!

And we’ve got to start getting an educational program which uses these terms of conception in order to get out of this *stupidity*, which has been imposed by evil people on the soft minds of our own members! But the soft minds of the population generally, and of the world and the planet now.

This phenomenon which we have, between the initiatives which are represented, combined and respectively, of Russia and China, are now the core of this crisis. But we have to not only know this crisis, we have to *speak* of this crisis! It’s not sufficient to *speak* of it, it’s necessary to demonstrate the truth of it.

And that’s what I want from my organization, which I’ve been heading since 1971-72. I want that organization, which is *my organization*, get off its silly back, and get back to business, *our* business! And our business is to be a factor of information and influence within our own nation and beyond, to save this nation of ours, these United States, from the piece of wreckage it’s been transformed into by recent Presidencies! And save civilization, too.

Bring Back the Real United States!

We are the United States! I represent the United States! I don’t have any efficient representative of the United States in power! I have people in the United States, who represent important power inside the United States, but they’re not in charge; they’re only auxiliary. We want a Presidency which *is* the leadership of the United States, not this garbage that’s been foisted upon us by the British! And by Wall Street. We want a *real* United States back again, of the type that was originally intended, with the original Constitution and the implication of that Constitution and its experience.

And we in the United States must unite our people, by whatever means we can accomplish, to bring about a state where *we*, in the principle for which I’m fighting as a leader *within* the United States, providing a political and related *strategic* role of leadership in the United States, with other people who are strategic thinkers and patriots at the same time, are able to congeal a leading

force which takes over the direction of the policies, the strategic policies of our United States, not only strategic in the military sense, but in the general economic and social sense.

We must bring about the kind of change in the course of civilization, which has been the intention of humanity, the *Promethean intention of humanity*, which can *crush the evil, the intrinsic evil* of the contrary view, of the Zeussian view.

That's my mission. And you see how it congeals with what we're talking about. Because the idea of progress, what is really progress, in the existence of humanity, is the overriding, strategic policy for everyone on this planet who is sane and not stupid. And we in the United States are in the best position, to recognize the merit which is being expressed, respectively by nations such as, in particular, on a large scale, Russia and China.

What China has done in the Moon project, the way it is looking at the Moon project, which is implicitly what we're talking about today, here: That is the future of mankind! And I am determined, by whatever means are possible, to bring about a leadership *inside* the United States, by an assembly of people, some of whom are already in office, in leading positions, or should be

in leading positions of a higher level; and by that kind of leadership, established soon, very soon, from within the United States, we can provide the kind of *international* leadership, which, instead of playing with thermonuclear war against each other, throughout the planet, can consolidate the viable forces, and the political and national forces throughout the planet, *as sovereign entities*, respectively.

And that's the original intention of the policy of the United States. It's the one we must realize now. And we just have to get our heads clear, so we figure out what that policy is, and what it should be.

I think this is a great day.

Special thanks to Dr. Lawrence Taylor, Director of the Planetary Geosciences Institute at the University of Tennessee. While being in the "back room" at Johnson Space Center in December 1972, during the Apollo 17 Mission, he was one of those who directly advised the astronauts Gene Cernan and Jack Schmitt during their EVAs on the Moon. His ongoing enthusiastic studies of Apollo lunar samples since then has led to many brilliant discoveries and numerous inventions for mankind's inevitable development of the Moon.

DVD now available

A New Paradigm for the Survival of Civilization

Second in a Series of Historic Schiller Institute Conferences

New York City
January 26, 2013



Selected Presentations include:

- Keynote: A New Paradigm To Save Mankind
Helga Zepp-LaRouche
Chairwoman, Schiller Institute
- What Is Mankind as a Species?
Bruce Fein
Former Deputy Attorney General
- The Destructive Effects of Religious Extremisms
Prof. Norton Mezvinsky
President, International Council, Middle East Studies
- The Principles of John Quincy Adams
Prof. Cliff Kiracofe
Virginia Military Institute
- A New Dark Age or a Renaissance?
Sean Stone
Filmmaker

\$25 <http://store.larouchepub.com/product-p/schdv-2013-2-0-0-std.htm>

For more information: 1-800-278-3135