

Replicating Nature's Energy to Charge Your Cells – Jim Girard and Jim Law with Dave Asprey – #741

Announcer:

Bulletproof Radio, a state of high performance.

Dave Asprey:

You're listening to Bulletproof Radio with Dave Asprey. In today's episode, I've got a couple guys on who are going to really show where technology has evolved that you've probably never heard of. You're going to learn some things that I've been doing that you might have heard me mention on stage at the Biohacking Conference. Things you might have heard me mention here and there, that sound a little bit out there, but that are profoundly impactful.

If what I'm saying is real and it is, then it means you've got to reconsider some of the core assumptions you make. Doesn't mean what you believe is wrong or useless. It just means there might be another layer to what we're working on here. On that note, what we're going to talk about is something called the BioCharger. There are four kinds of energy in nature. You're going to learn about those four kinds of energy. What I like about the BioCharger is it's a subtle energy revitalization platform.

Even though it's not that subtle. You're going to see, if you watch the video that I have here, it's got sparks coming out the top of it and frankly looks like something out of science fiction. But everyone, including I'm going to call people who don't know much about biohacking, who are relatively skeptical. They sit there for five minutes and go, "What just happened? I just shifted my state in a very notable way." We're going to talk about physical, mental performance and overall health.

This is a weird episode because in addition to the pandemic, we're not all in the same room together. I've got two guys named Jim. We've got the inventor of the BioCharger name is Jim Gerard. Jim Say hi so we know your voice. Years of research on this idea of subtle energy or charging the cells and he started this concept back in 1993. For the record, I had my first piece of technology in this domain back in 1997. But it wasn't nearly as cool as what the BioCharger has become.

The reason Jim got interested in all this stuff is because he got sick from pesticides and chemicals and had to hack himself, which is cool. Our other guest is Jim Law, who's the CEO. So we've got CEO Jim. CEO Jim say hi.

Jim Law:

Hey David.

Dave Asprey:

Jim, our CEO here at BioCharger, has been on since 2013 as a co-founder of the company and has been working around just disrupting technologies. It's a cool thing to be able to talk on the business side. How is subtle energy, how is recharging yourself a business and then how does it actually work? Without any further ado, let's talk about this. I'm going to go to our geek Jim Girard. Jim describe what this machine looks like. Then I'll give you my take on it, but you tell me what it looks like. What's in there?

Jim Girard:

It's basically a sophisticated solid state Tesla coil with the multiple different gases that illuminate in the visible light spectrum. The idea is generating the four different types of energy. But the physical description is just more like a Tesla coil with a really nice 21st century display on it that you could actually program it and run it. Very easy of use.

Dave Asprey:

That was a pretty tame description. It looks like a glass hexagon with glowing tubes of various colors, not LED tubes but glowing like old school neon and argon and things like that. With a piece of metal coming out the top, with lightning coming off of it. It is exactly what should be in Frankenstein's laboratory if he was a little bit cooler and was a distant cousin of Tron. Is that better description?

Jim Girard:

Yeah, I like that description a little better but yeah.

Jim Law:

That or the flux capacitor.

Dave Asprey:

Yeah, it's got an element of doc in it for sure.

Jim Law:

So does Jim.

Dave Asprey:

Perfect. The reason that I was attracted to this is that back when I believe that what I had going on was Lyme disease. Before I figured out it was toxic mold back in the late 90s, I became aware of this book electromagnetism in life and Robert Becker's work and there's a lot of information out there about how energy affects the body. So I bought a Rife machine, which is based on the work of Royal Rife and Tesla borrowed a lot of his medical side of things from Rife. We're going to go deep in the history of Tesla and Rife and a couple of other inventors and how Jim leveraged their work and studied with some of their proteges.

But in my case, just to illustrate for you, and you're listening to this, how real this type of tech is. I had this machine. It looked like a CB radio, because it was, with a giant amplifier and a tube of neon gas next to it and a little digital frequency thing and you could type in a frequency, and then it would run that frequency through the charged gas. You could say, Dave, we thought you were a dork already, already inject testosterone whatever, but this is clearly the land of insanity.

But here's one of the stories of what this thing could do. A person I was with at the time, because of toxic mold had these things that were herpes lesions inside their sinuses. Now, that's a really painful condition. I'm sitting in the living room, person's in a chair. I'm thinking to myself, well, I don't really have anything in that family of viruses, but I'm just going to put it on the frequency that I know is associated with that and I'm not going to say a word to this person. They're reading a book, completely blinded, no idea there part of an experiment.

So I hit go on the machine, within five seconds. She totally drops the newspaper she's reading, stands up, grabs her nose and start screaming, turn it off, turn it off, turn it off. Now, I don't think that was placebo. It wasn't placebo because according to the work of Rife, it was vibrating to the point of destruction the viruses that were there and it created pain right where the viruses were. Now, I stopped using the machine because I didn't know which of the 10,000 frequencies to run to make myself better. It was kind of a pain so it was just a series of frustration for me and I got rid of it and bought an infrared sauna, full disclosure.

Now, if you're listening to this, either I'm completely trying to sell you a bill of goods or just sounds too crazy. It actually happened and it was one of the things that most validated my belief in this kind of tech, and I shelved it because I didn't know how I'd ever be able to know what frequencies to use. Then along comes the BioCharger guys and you've been innovating for a long time and I finally got a chance to check out your tech at my buddy Andrew's house in New York City.

I'm there with the supermodels on my Instagram stories. Joy Corrigan, who's really cool. I just had a random party, I don't typically get to hang out with supermodels being a bio hacking married guy and whatever but it was a cool party. We're both sitting there getting zapped from the top of the machine on one of those Instagram repeating loop things whose name I just forgot. It's one of my funniest videos. He's just like it's so random that you just sit there going [inaudible 00:07:36].

But I will just say you can feel it. You feel it in your bones, you feel it in your tissues, you feel it in the shift in your brain. You solve the problem of knowing what frequencies to run by putting recipes together. So for listeners, this is why I'm having the guys on the show because I want you to know about this kind of technology and I want you to know that it has real effects and I think that the two Jim's here have actually solved the problem of knowing what to run in terms of frequencies to get the results you want. Long description of it. Jim, you actually studied under a protege of Nikola Tesla. Two of the texts were talking about her, Tesla coils and the MWO or multiple wave oscillation technologies. Walk me through how you met [inaudible 00:08:22]. How you guys connected and what did you learn from him out of Tesla's work?

Jim Girard:

Yeah, so for me how I originally met him is, as you'd mentioned earlier, I had a landscaping company. Was exposed to a bunch of pesticides and herbicides and that was part of my issues surrounding the alopecia. I went to an organic farm convention and at the organic farm convention, believe it or not, is where I learned about Nikola Tesla and actually met a guy named Lewis [inaudible] who eventually introduced me to Orville Fitz. Lewis took a liking to me and introduced me to all this different technology and said you got to meet this guy.

I struck up a conversation with him several times on the phone and convinced him to let me come down there and spend some time with him. He was in his 80s. I wasn't really getting a lot of time per day with him but we'd spend a few hours talking about various things, experiments and things. He had a whole library of information that was there. Girard knows downtime I spent a lot of time just reading about Nikola Tesla and all his work. After about six months, I came back home and decided I think I'm ready to start to build an experiment with these devices.

I really got into Nikola Tesla's work. I was building all sorts of different types of coils. I was building large ones that would shot the big 10 foot sparks to the... I tried the multi wave oscillators with the different concentric rings. I'm just really fascinated with any part of the electricity. Shortly afterwards I read about [Georges] Lakhovsky's work with the multi-wave oscillator and I thought, well, let's just start building some of those devices.

Dave Asprey:

What are those? Explain what a MWO is.

Jim Girard:

A multi-wave oscillator basically utilizes a spark gap Tesla coil that they have... On the original they had these concentric rings that would generate multiple wavelengths and he was noted for developing the MWO or multi-wave oscillator. What Lakhovsky was able to do with this Tesla Coils, generate these wide

range of frequencies and harmonics and there was a long history of success with it that he was using it at 30s and 40s. There was books that documented those effects with it. I thought as anyone else is reading some of these conspiracy type stories, you would think... I thought, well, maybe I should start building some of these.

I have a good mathematical background, but I also have the background of building an experiment, my father we had a really nice garage growing up, we were always working on all sorts of projects. I was really good with my hands, but I also really good with numbers. That was a good combination for me to just start experimenting and building different devices. Shortly later, I came across [Royal] Rife's work.

Dave Asprey:

Yeah, talking about conspiracy stuff.

Jim Girard:

So again, I was really curious about it. Rife was doing it in a completely different way. When you look at the multi-wave oscillator, utilize the Tesla coils its carrier wave whereas Rife was doing this unique thing, which is a shortwave radio that he was doing pulse width modulation. Essentially what Rife discovered is variable frequencies and harmonics. Like you, I built my first one. I used a vacuum tube 1920s heat clip, shortwave radio. Had the little crystals that you had to program into it. I had that boxy generator like you were talking about that you would have to program in. I really liked the idea but it was so clumsy in operation that it wasn't very useful.

Like you said, you'd have these numbers you'd have to program each program or frequency it ran, you'd have to program each one. I sort of put it off to the side but started to evolve the BioCharger, the earlier version of the BioCharger. I utilized that Tesla coil but then I wanted to expand a little bit further into it. The idea of the multiple wavelengths that Lakhovsky spoke about, I wanted to add to the visible light spectrum. I was one of the first ones... I actually was first one and actually patented the multi gas discharge tubes where we're generating a wide range of frequencies in the visible light spectrum.

I bought the evolved the BioCharger but I wanted to work towards mixing the BioCharger with the right machine because I saw the benefits of Rife with the variable frequencies and harmonics. I also saw the benefits of the high voltage, the magnetic fields that you get with the Tesla coil and the high voltage. The high voltage is probably the most important part I believe. By working towards that direction, I kept on evolving it over the years until about 2011. I pushed the spark gap as far as I could.

I was able to do some course pulsing. I could do some low frequency pulsing with it but I really couldn't do what Rife was all about. 2012 I started working with the vacuum tube Tesla coil. With the vacuum tube Tesla coil that allowed me to do that pulse with modulation. For the first time, I was actually able to attach a function generator to a Tesla coil and start to produce variable frequencies and harmonics. For most people who don't understand variable frequencies and harmonics, the traditional spark app Tesla coil generates literally hundreds of thousands of harmonics and frequencies. It's been-

Dave Asprey:

Why does that matter? Why would someone says okay, so I got 100,000 harmonics. What does a harmonic do for the human body?

Jim Girard:

Actually, what do frequencies do to the human body? If you really think about it, everything vibrates. We'll first look at the atomic level. Atoms literally vibrate at the speed of light. That's the reason why I use those different elements and the tubes. When you excite various gases or elements to fluorescent, they'll release photons of light. The idea that atoms vibrate at the speed of light, and then you could take molecules. Molecules literally vibrate slightly lower than the visible light.

When you take elements or atoms and start to mix them together and make molecules, they begin to vibrate what they call the molecular spectrum. The molecular band spectrum, laid out by physicists start about a half a gigahertz go all the way up to visible light. Then you have your atomic nuclei that also vibrate. The cell membrane literally is vibrating. Anyone's ever had an MRI for instance, they utilize that technology. What the MRIs actually do is they put you in a magnetic field, they bounce radio waves off you. How those radio waves absorb the energy, determine what those images are.

Reverse logic with that, there's a correlation between frequencies and atoms, block molecules as well as the atomic nuclei structures. When you begin to vibrate at specific frequencies, you could begin to affect all those. What the multi wave oscillator was doing is it's generating that whole spectrum of frequencies that cover first the atomic side, the molecular side, and then the atomic nuclei, the cell membrane side of the vibration.

As you begin to produce specific frequencies, you can impact things on a cellular level. Much like... I like to compare it to music. Music, if you have two different notes of the same... Two different notes, you generate harmonies or harmonics. What we're able to do with changing these pulse frequencies with the carrier wave, is we can generate different sets of harmonies or harmonics. Much like when in music if I take... If I produce those two notes, I generate harmonies or harmonics, but if I change one of those notes, I generate different harmonies or harmonics.

What we're able to do with the BioCharger is by changing those pulse frequencies, and this is what Rife discovered, you generate unique sets of harmonies or harmonics that cover that spectrum of the atomic, the molecular, as well as the nuclear part of the vibration.

Dave Asprey:

What is happening, theoretically, is that when you're increasing the vibration rate of these molecules, the reactions that drive life are easier to do. The enzymatic reactions and things like that. I mean, do you... If you take Petri dishes and put them around a BioCharger, do things grow faster? Do they grow slower? What happens? How do you know this is doing anything to us?

Jim Girard:

Well, much of this has been laid out by many other people that have done the research so we're not a medical device. We've done experiments with it, with the BioCharger, but there's a long history behind these four energy types and the effects of these four energy types. Whether it's the magnetic field, the EMF, the high voltage, the frequencies of harmonics, or the visible light, all four of those have been heavily researched and all those different effects with it.

Dave Asprey:

So all of those things are real bio hacking ways of interacting with cells, I mean, no different cells respond to or generate those fields within the human body. How do we know that these aren't bad and people are talking about 5G, I've been talking for years about electrosmog and things like that. What makes the type of magnetic fields and other electromagnetic fields of the bio charge making, what differentiates those from the ones that pollute things?

Jim Girard:

Well, the big difference is how nature does it. If you think about it, we're surrounded by this natural harmonics and frequencies from... Literally we have 100 lightning strikes on the planet every single second. Every other planet has that same thing going on. The sun through solar storms and solar flares and things like that, they generate these wide ranges of frequencies and harmonics, but there pulse signals, everything is a pulse signal. Whereas with manmade EMF, everything is a continuous signal.

If you think about, the power lines are probably our biggest electric smog that we have that's around. That's a continuous wave, if it was a pulse wave motors would be surging and pulsing. The problem with these, what I would consider continuous waves, whether it's the power line or the cell phone signals or the microwave signals, they're all a continuous wave. They're not the way nature does it. The problem with those continuous waves, it begins to drain the cell. Doesn't allow the cell to go back to its natural resting point. That's the biggest distinction between natural energy or the BioCharger and manmade energy.

Dave Asprey:

I would encourage you, if you listening to this going okay, that was definitely a meaningful amount of science there. Think of it like this. The body hates a steady state. That's why you take a cold shower the way I've been telling you for 10 years or get an ice occasionally. That is a very dramatic pulse of cold in this case. Or you can fast. Oh, there's no calories right now. So dramatic drop in calories, and then it comes back, whether it's intermittent one or not.

Then almost all of the other technologies. Oh, you wanted to grow muscle faster, increase the spike of demand on the muscle. So get to failure faster, put on muscle faster. You want to do intermittent hypoxic training, which has been a big part of upgrade labs. Increase... That's just a brief period, but it's a pulse of time. I've got no error. What am I going to do? You're going to get stronger. The idea here is that the pulse that you get from the earth is an intermittent thing that may be hormetic. But there is a steady state, 7.83 hertz Schumann resonance here that seems to be the timing signal for the human body. Are you interfering with that with the BioCharger or is that solid?

Jim Girard:

That is not really a continuous wave. If you think about it, they're actually... The Schumann resonance is made up of those hundred lightning strikes every second. So they're actually a series of 100 events per second that's actually happening. It's not that... Jim made me aware to think about today is our heartbeat is a pulse. It isn't... It's a sudden pulse then it dampens out and it's another pulse. Life is really about a pulse. It's not about a continuous wave. That's really the differentiation.

Dave Asprey:

Even the heartbeat is not a continuous wave, which you might imagine but heart rate variability, which is a major part of the bio hacking idea. So oh wait, you mean the spacing between your heartbeat should be non-regular, because when you have a variance in the space there, which means it isn't arrhythmic, so it's [inaudible 00:22:11] instead of [inaudible 00:22:12] that means you're basically getting little randomly spaced pulses there instead of having them all lined up. Because when they're lined up, you're actually weaker. All right. Talk to me about cellular voltage. In fact, your reference research, the University of Michigan says there's 15 million volts per meter within the cell. Talk to me about what that is, why that matters and what you're doing to it.

Jim Girard:

What that is stating is the cell membrane acts like an insulator dielectric, much like a capacitor. It resists the flow of electricity. Actually forms a charge. On a more of a biology perspective, you have negative charge on the inside of the cell, you have this positive charge on the outside of the cell. Positive ions on the outside of cell and negative ions on the inside the cell. That actually creates a stress across the cell membrane as that charge of 15 million volts.

As we age, as the cell becomes less healthy, its ability to hold that charge is diminished basically because the cell membrane becomes a little bit more conductive and less insulated. When that happens, it holds less charge across that and when that happens, normal cellular function doesn't work. That's really the advantage of the voltage is it helps to trigger the cell membrane to deliver energy from the outside the cell membrane into the inside the cell membrane.

Normal cell function that will naturally occur but as we age, that trigger mechanism that allows and creates the ion channels for everything to flow through, the voltage isn't sufficient enough and then what'll happen is the cells just sitting there not really doing anything. It doesn't start as normal cell function where it creates the ion channels that deliver the hormones, the proteins, the nutrients, as well as part of that detoxification effect. That's all related by gating that cell membrane. The way you can gate it is through external voltages, especially when we're less healthy, when that's not happening this will help to trigger that and help to deliver it to create that normal cell function.

Dave Asprey:

One of the things I've noticed is, there are altered states you can go into in order to get stuff done. Most people listening have heard of this thing called a flow state. I've done some podcasts about that and different ways to get into a flow state and all but there's another state that's correlated with very advanced Zen meditation. It's called a gamma brainwave. When I write my books, I actually run a small electrical current across my brain in the gamma frequency on occasion.

Lately, we've had some breakthroughs at 40 Year of Zen, my neuroscience company, where we can up train this rare brain wave that most neuroscientists say you can't really train. For instance, last week, I was able to consciously increase my gamma by 20% in about an hour. I know the feeling of gamma because when you turn that up, all of a sudden, the floodgates to ideas just open up. It's just so easy. I was, oh yeah, I could solve this that way and that way. It's hard to get there but it's such a beautiful state.

I said, all right. I'm going to try this out on the BioCharger. I went to the BioCharger, and you guys can look at my usage records and see what I did. I did the... It was actually one harmonic above gamma, the 125. I put this on for whatever the thing is 10, 12 minutes. I'm sitting there I've got a notepad. Whoa, same state. You're actually turning on, at least in my perception, you can't put an EG machine on someone doing the machine because the machine generates current that would blow out the AMP on the EG because it would basically affect the wires.

But I know very well I'm in that state and probably if I wire myself up right away afterwards probably would have had residuals of it. But how were you able to turn on a specific brain state with the BioCharger? How would that be?

Jim Girard:

Some of the recipes are designed for that. The brainwave activity starts from basically five hertz all the way up to about 100 hertz. That's alpha, beta, theta, delta, gamma rays. We have recipes that will pulse the BioCharger within those spectrums. We find those to be very powerful, especially for the meditation to really get that inner focus or as well as creating those new ideas. We like to do some of those recipes

to draw out some of our new ideas and things like that. That's all based off of those below hundred hertz recipes that we do the pulsing with. That's all within that brainwave activity.

Dave Asprey:

It's definitely something that I noticed and the inflammation thing is also noticeable. There's a set for what you guys call oxygenation on that recipe. What is very noticeable, [inaudible 00:27:28] use that one the most. I sit there and you run it, and the body temperature goes up. You're turning on mitochondrial respiration. You're like why am I hot when I'm sitting here doing this and I wasn't before? I can be like, wow, I'm a little bit... I'm not feeling perfectly laser focused right now. At the end of that, I'm on. I'm pretty impressed with that. How are you oxygenating? I mean, it sounds a little bit out there, but I'm seeing it.

Jim Girard:

We have a team of researchers and developers that we're putting together the recipe. We'd like to go out and just start to look at some of the data that's out there. We'd like to see things that relate to oxygen levels that we can work with. There's also... With the corona discharge, there's a little bit of ozone that's been generated from that. There is not much that you could smell but the ionization in the air helps to stimulate some of that oxygen generation. It's really a combination of the frequencies that we use as well as the voltages. Even the visible light part of it, all that interacts together with the increasing cellular function at all levels.

Dave Asprey:

About a month ago, I was at an antique store here on Vancouver Island. They had this device I hadn't seen in a long time, it was called the violet ray. This is from the 1940s. It's the coolest thing. It still works and I actually have friends like hey, I'm going to try it. She was having plantar fasciitis and it went away in three minutes of using this device, but it's this handle. Looks like a soldering iron or something. You turn it on and there's a tube full of vacuum or maybe a noble gas, I don't know. The tube starts to glow with his violet color and you touch it in your hand and little sparks come off of it.

When you run this current, it becomes warm. Circulation increases. Inflammation goes down. If you look at these online, they're still on eBay and everyone says quack medicine didn't work. But they sold millions of these things because people could see, they could feel that they were working throughout the 30s and 40s and 50s and before they just fell out of fashion. What's the difference in what you're doing in a violet ray?

Jim Girard:

The violet ray utilize a different type of Tesla coil. It's was more of that spark gap Tesla coil but it was not as nearly high voltage as what we're using. With the higher voltages, that allowed us to create a little bit of distance with it whereas before, you're touching that, and that's really where you get defect. But we found out that if you get higher voltages, you could get more distance from it which allows more people to experience the BioCharger and it's not quite as invasive as feeling those sparkling that you are getting it with it.

But the spectrum of frequencies, the light energy and all that. You're really getting similar. One of the drawbacks with that style was a spark gap Tesla coil, so you couldn't vary the frequencies that were generated with it. That was one of the drawbacks that I always saw with that spark gap design that you would normally get with the right machine type of effect where you could change the frequencies and harmonics.

Dave Asprey:

I do like that you can fit eight or 10 people, some number of people around the machine. Larger than six feet of it. You're all getting... You can feel it. Some people are a little skeptical and it's funny because there's such a buildup of current or field. I don't know. I have an engineering background, but I'm not really sure what's going on there. But all I know is someone who hasn't been in the field for a little while, walks up and touches you, where they touch you, you see a zap and you're half inch gap spark will do. And then you'll both kind of [inaudible 00:31:14]. What's going on with that? Explain the electrical stuff on there.

Jim Girard:

What's happening is the BioCharger is inducing the voltage. It's actually making the air more conductive, which makes more to your body, then your whole body becomes this connector to the BioCharger through the air, through the high voltage charge in the air. So what happens is you're at a higher potential. So when somebody reaches towards you, one of you is going to be at slightly lower potential because you're not equally distanced from it. There are different installations [inaudible 00:31:46]. So whoever's at the higher potential jump to the lower potentials so it's always going to be a spark between it.

Even some of my earlier experiments where I was shooting the template lightning chart discharges, we used to be able to pull six inch sparks of people standing next to it. That voltage is that driver that delivers it and that's... With the beauty of the BioCharger we're not physically connecting to it but we're able to broadcast that to the air.

Dave Asprey:

Okay. One of the guys we mentioned who... There's sort of four major schools of electrical and magnetic inventors who you combined into the BioCharger, and one of the ones that I've cited the most is Royal Rife. For people listening, a lot of people haven't heard of Rife's work, but he was a contemporary of Tesla. He died a year before I was born. In 1939, the founder of the American Medical Association, Lawrence Fishbein came to Royal Rife and said, "Hey you've made this incredible microscope." He made five of them that let you look at live viruses inside cells.

What Rife had done is he'd said, you know what, I work for ZEISS optics and I want to make the world's best microscope. He realized if he was going to be really tiny things, he couldn't illuminate them with light, because the frequency of light when it was illuminated didn't work. So he started using radio frequencies as the light because when he amplified it enough, it would become visible, he could see what was going on. These were groundbreaking microscopes, especially for the time because you don't have to kill everything like you do with an electron microscope.

What he noticed was if he changed the radio frequency, that the cells would start to vibrate, and some of them would explode. He spent huge amounts of time staring on the microscope figuring out what frequencies would blow up pneumonia or tuberculosis or whatever cancer, whatever the heck he was trying to target and making these frequencies of tables. Well, the founder of the AMA said, I want to buy your tech and he said I don't want to buy it. Within a year, he was branded a quack, shut down, they burned his records. There's all kinds of... You talk about conspiracy kind of stuff.

There was definitely some bad stuff that happened was that 60, 80 years ago or something. That's pretty well documented. In fact, I'd say very well documented. Rife, I considered to be one of the really big electrical geniuses that got stymied in this war of science that started around 1910, 1920 around is the body electrical or chemical. There were two very strong camps. The chemical people won.

They won the war, but it was a PR war. In fact, back then they didn't have PR, they hadn't named it yet, they just called it propaganda. But there was a war. It was a war for the mindset of science.

What's happening now with the BioCharger and with the fact that sunlight matters, all of these things out there. They say you know what, we are simultaneously electrical and chemical and all chemical reactions are ultimately electrical, which means they're also ultimately quantum. I don't mean quantum woo, I mean, quantum biology because it's a field you can get a Ph.D. in around quantum effects that we don't really understand except we make processors around quantum so it must be a thing or you couldn't get quantum processors to work.

We keep peeling these levels away. Most people still think in terms of chemistry, and calories in calories out. We're meat robots but it turns out, we're all of those things. Rife was, I think one of the original geniuses there. There's two other guys though. This is just for... If you're in the audience and don't know who that is, [inaudible 00:35:20] Royal Rife, R-I-F-E. You also talk about a couple other people who are much less known in the evolution of the BioCharger. You're standing on the shoulder of giants here, but tell me about Lakhovsky and [Gershowitz 00:35:33]. What did those people do?

Jim Girard:

Lakhovsky was all about... He had a really good success with using radio waves for health and wellness. He was very well documented. He actually wrote a book called The Secret Of Life. He actually did a whole bunch of different experiments, proving that we are more electrical beings. We are driven by electricity. Primarily the cosmic electricity, then we realize and our bodies are really electric. The universe is electric if you really think about it. I mean, those lightning discharges that are going on, we're surrounded by these frequencies and harmonics from cosmic waves and cosmic rays and all that stuff that's around us.

We are really electrical beings and our bodies are developed in this sea of electricity. If you think about it, we're on this earth that's generating this massive electromagnetic generator that's spinning around, it's generating all these lightning discharges and stuff. They have a major influence on how our cells evolve, how we evolved in general. This is since the beginning of the Big Bang is all this energy that we're being surrounded by. When you really think about everything, we are electrical. Chemistry is electrical, you got electron in orbit, and charges it's the basis.

Dave Asprey:

I've got one more futuristic geek question for you. I fundamentally understand, we haven't talked about Jerry Tennant's work on the fact that there is electrical current associated with healing of wounds. Very, very fundamental things. There's a guy at the Karolinska Institute who wrote a wonderful massive \$800, 500 page book on electromagnetism electricity inside the cell. He wouldn't publish it until he retired because he was afraid he'd get kicked out as dean of the medical school at Karolinska.

There's all this incredible stuff. If you make the radical assumption that the last hundred years of people doing various medical things with these four big energies that are incorporated in the BioCharger, that it's a safe and reasonable assumption that electromagnetism has an effect on life as you just talked about. Wouldn't it be possible for us to design a replacement for 5G, 4G, 802 11, mobile phone networks, even our power distribution network which is pretty screwed up in terms of life, to make one that actually enhances human biology, but still gives us the ability to have our iPhones? Do you think that's possible?

Jim Girard:

I think that that's what Tesla's original plan was with the worldwide wireless transmission power that he actually wanted to do, and I firmly believe that but there's a lot of issues in and around that, as far as... That dated back all the way back to when Tesla was around. He was originally building the Wardenclyffe Tower and Long Island, New York and Morgan thought it was... JP Morgan was the one who thought it was for radio transmission worldwide. Once he found out it was for power transmission, then they defunded Tesla for 40 years. He really didn't make any more movement towards that just because he was defunded by everyone and basically died a pauper.

Dave Asprey:

Now, what I believe is going to happen, from my far futures hat, is the classic disruption model. There will be emerging evidence that hundreds of studies out there show that there are negative effects from some wireless frequencies at some strengths in some locations. It's not universal. Right now, the benefit of wireless is pretty strong, but it's not without risk. I measured a 15% reduction in the bone density of the femur where I carry my cell phone versus the other side, and I don't carry it near my junk because I like my sperm to swim. Thank you very much. There's good evidence around those.

That said, I really appreciate the ability to use a phone because it's useful. Someone's going to come along, there'll be enough of that evidence. There'll be enough sick people and they're going to design the next generation. We'll call it 6G. It's going to be good for humans. It will be a multi trillion dollar 20 year rollout that makes Cisco Systems and Huawei look like child's play. That is the kind of money that we're looking at on the table. If you're listening to this, and you're young, and you have this kind of a wizard mind, go build that because everybody wants it. There's no reason we shouldn't do it.

Those are stakes I think we're playing with but I wanted to gut check that to see if that's actually a real vision or if there's some engineering obstacles that I haven't considered. The answer is maybe.

Jim Girard:

I think that there's definitely a possibility with it. Not that I could say that I could do it right now. But I believe Tesla was one of the most brilliant minds ever, and we have yet to really hit the surface of what he was actually doing. Once we fully understand it, I think that we will see things transform in the power industry as well as communication.

Dave Asprey:

Okay, well thank you for that. Thank you for the brief walk through the history, the evolution of what you put together in the BioCharger. I will tell you, I've had an original design MWO. I had the original Rife machine. All of these things were moderately effective, bulky, difficult to use with hard to predict results. Of course, I've righted PMF devices which I've had better luck with actually, but they don't have multiple resonances, but at least I can put the PMF on something that hurts and it stops hurting.

You've packed all this stuff together. It's not a replacement for full-on PMF, muscle regeneration stuff but in a usable form that supports essentially a small room full of people with very noticeable effect, which is the first time in 25 years of playing around with all this stuff. I've been able to whoa, okay. All this stuff lines up. I'm pretty stoked about it. I want to ask our CEO Jim about what is the future for BioCharger? You've got this cool device. You said it's a non-medical device, which is a good move, because it's for performance and recovery but what are the things that people are doing with it?

Jim Law:

Sure. First of all, just hearing a little bit of Jim's background and the efforts that he made, it's pretty clear that he was pushing the envelope all the way. When we first connected, which was actually through our

sons who went to school together and played football together, and I would... My son would come home and say, "Mr. Girard was working out in his garage. He had this looked like a transformer off a telephone pole. We'd see these things light up." With a heavy dose of skepticism in my head, I got to see what this guy's up to.

What he was doing was, especially with the analog technology that he was using, which was basically the same stuff Rife and Tesla and Lakhovsky were using, it just seemed like, first off, it wasn't commercially viable because everyone was a one off.

Dave Asprey:

That's why I hadn't really talked about it much for that reason. Because how do I tell someone to go use this? I couldn't do it. So, to your point, yes. Okay.

Jim Law:

Yeah. It was interesting as we kind of... I'm more from the high-tech background but I like using technology to disrupt the old way of doing things. I'd never imagined being involved in something that had to do with health and wellness like this. But it drove me because when I spoke to some of his clients, he'd make one unit, ship it out, and somebody else would reach out to him. First of all, people were coming to him, he wasn't advertising in any way.

After I spoke to about 20 of them over a period of maybe a week and a half, two weeks. I'd hear the great anecdotal stories about its showing up in 100 pieces. Jim, it didn't work and they had to send it back. It shocked the cat and they got shocked, and all these different things, but in every case, but it works and I love it. This thing has changed our lives. Knowing that there's no way that we have the resources to try and go down a medical path with this. We said, well look, if it's a subtle energy revitalization platform, which it is, what can we do and how can we apply it and how can we make it commercially viable?

So we essentially took a step back, looked at what Jim did, brought in a team of experts and understood what it was doing using a lot of different advanced technology to measure different types of energies. We didn't want to lose the special sauce but we said okay, so what would Tesla, Rife, Lakhovsky, [inaudible 00:45:08] do if they were alive today? They wouldn't be using spark gap and vacuum tubes et cetera. They wouldn't be using voltage controllers, they would be using the cloud. They would be using digital and solid state componentry. They would open it up as a platform rather than limit how it could be used. That became our mission and we took the product off the market.

We formed a great partnership. We went out and looked at the technology and were able to more effectively than we even thought in 18 months be able to have the first prototype of a solid state BioCharger.

Dave Asprey:

By the way, what is solid state BioCharger means if you're a non-Silicon Valley guy? It means it has a little thing like an Android device, a touchscreen that's actually controlled. You got to understand, the original days of this it's knobs and buttons and dials and loose wires and alligator clips. I did all that stuff. It was a huge pain in the ass. So now, you sit down, it's this cool looking thing. It's all laser cut. Actually I think it's laser cut, whatever it is.

It's a clean modern piece of machinery. But you go in, there's a little menu and you say, okay, which of these programs do I have in here, we call them recipes. You pick the one that says oxygen, you hit start, and then you sit there and the machine goes [inaudible 00:46:37] we've cut some video. It's

hard to shoot it because it creates a pulse of different colored light and EMF at the same time. If I was running right now, our video or audio would be glitching a little bit.

You do that and then it works and then you feel different. Then you'd say, I run a different program, and you do that and you can stick four or five, whatever people around it and they all generally are going to feel the same way depending on their own state when they start. That's what solid state means is it went from crazy wizard level inventor, garage transformer land, into Oh, it's a cool but a little out there looking thing because there sparks coming off the top of it.

It's cool but it's just push a button and it does what it's supposed to do. To me that was... At first I was like, I don't really want to talk to these BioCharger guys. I hear about you a couple times but I have so much experience with this space and it's so hard to translate. You have to really read the Rife papers and do your diligence and play with this and wiggle this rod. You guys know what I'm talking about?

Jim Law:

Sure.

Dave Asprey:

You actually took it all out. It took me a half hour to put it together. I didn't read the manual until I was done. Which is probably not a good idea. I didn't put it anything upside down. But it was human level. But more importantly it was the interface instead of a dumb little enter a code that might work. That was what got me going. Then I'm like, Yeah, that does the work. You guys gave me a sore neck, I got to tell you that. Here's why.

I sit there in a chair and you're supposed to be in a plastic chair like that super comfortable chair there, because you don't want to induce a current in a metal chair. So every time I put it on the sleep settings before I go to bed, it knocks me out and then I wake up, my head is crooked, then I got to sit up and go to bed. So there you go. But my heart rate variability is much higher the next morning when I do BioCharger before I go to bed. I can do the sleep one, I can do the inflammation one and either one of those will raise my heart variability [inaudible 00:48:36].

It quantifiably works, and that in and of itself is a business achievement, not just a tech achievement. I just want to say thanks for making it easy because you get tired because I do. As a biohacker I can have any piece of biohacking tech in the world and I've had most of them. But if you can't use them because it's too much work, you won't use them. So this is the first time I've ever been happy with anything in the Rife side of things because of that.

Jim Law:

One of the things that we designed into it was the ability to allow community inspired efforts to continue to expand the benefits that it can bring. You mentioned recipes or energy and frequency programs to sign for a specific outcome. When we first released the BioCharger, we had 10 recipes. We had one for energy, we had one for post workout, pre workout, sleep, mental clarity, happiness. Just a limited set.

The BioCharger as Jim mentioned earlier, when you were talking about the overall effect at the cellular level, that's a broad benefit so everyone can benefit from raising your cellular voltage and intendant points [inaudible 00:49:50]. Our body regenerates a two to 3 million new cells a second. That's the only way it knows how to heal, how to recover, how to resist stress and how to detoxify but voltage is key. Voltage is the driver. If we can look and say, okay, by using these energy types that exist

in nature, and amplifying and replicating them, now in 15 minutes, you can get the benefit of being outside and absorbing those natural sources of energy in nature. Just we don't in our modern lives.

[inaudible 00:50:30] proved that 45% of Americans that have some form of chronic disease all have one common characteristic and that's inadequate cellular voltage. We start to say, okay, well, how can we help solve that problem? The BioCharger on the broad sweeps, overall helps do that but to be able to target specific desired outcomes, let's call them, using these recipes was really the magic and a lot of the IP of what we were able to do.

By building out the cloud infrastructure and allowing every client worldwide to be connected, many of researchers and practitioners. Again, when we first released it, we had 10 recipes, we thought if we got to 100 recipes, that would be the Holy Grail. Today, we're over 1000 and growing. The beauty of the design of the platform allows us to continually enhance it and add more capabilities in addition to update software and do things that we didn't think about when we first designed it. So it's got a lot of headwinds.

Dave Asprey:

Now, right now, it's a relatively large device when put in the middle of the living room or something, or in the middle of a clinic office or something. I'm looking at ways to use it in a couple of my different businesses. I'm curious, it is not a consumer price item right now. How many of these are at doctor's offices or physical trainers? Where do you normally find a BioCharger?

Jim Law:

We have three primary markets. The first one is alternative health and wellness. Those folks come to us and in many cases acupuncturist, chiropractors, alternative practitioners, but people looking for their own solution as well. Then we have people that are interested in peak performance. Obviously athletic performance, we've got all the major sports types. We've also got-

Dave Asprey:

Some very big names, yeah.

Jim Law:

Yeah, and we've got cognitive performance.

Dave Asprey:

I feel that.

Jim Law:

Who doesn't want to feel... There's also a spiritual aspect of it as well. By being able to provide something that... You talk about the size of it, it's 18 inches wide, 22 inches deep, 37 inches high. You can get about four to six people comfortably sitting around and even socially distanced. But it's a way for people to get a social... There's a communal effect to it. Kind of like sitting around a modern day campfire.

We see a lot of families now that are bringing them in because somebody brought it home and when's the last time you could sit down with your kids and not everybody had their phone on? We know the BioCharger you can't have your phone on. But we have-

Dave Asprey:

My phone seems to work. Is that a bad thing?

Jim Law:

No, usually the touchscreen gets affected. It'll dial the last number you called 20 times in about 10 seconds if you're running the right recipe.

Dave Asprey:

I've definitely seen it interfere with some recipes.

Jim Law:

We got some anecdotal stories on it, but people get a sense of being able to sit there comfortably, enjoy it. Doing something positive with other people. We're in the Osteo Strong for instance, facilities around the country and that's one of the biggest things is a social benefit. People get an immediate effect. They like it, it's easy to use, and they want to come back and do it more. It's helping retention and those types of businesses, and then probably our fastest growing segment of the business are people that are bringing it into their own companies. They're not turning around and offering it as a service, like, traditionally you would think, but they want to offer it as a benefit for their employees.

Dave Asprey:

That's pretty cool.

Jim Law:

Yeah. I mean, we do brainstorming sessions around it. It was great to hear you notice the same thing. You stop getting sick, you have more energy, people get along better, you get more creative. Those are the general... Across the board, the general feedback we get from people.

Dave Asprey:

Do you guys have a finder on your website for... There's a lot of people [inaudible 00:54:49] try it. I mean, it's more than what? \$10,000. It's a big, heavy engineered awesome device, but it's not the sort of thing that you're going to just pick up.

Jim Law:

Sure not everyone yet.

Dave Asprey:

Where do you go to just experience it? I should have looked ahead of the show I didn't.

Jim Law:

We set something up for you Dave and for your listeners where if you go to BioCharge.com/DaveAsprey, you will see a login to get a free session. If people are interested in buying the system, we got I think a discount code or references there. Then more importantly, anyone who's interested in trying a session can reach out, give us an inquiry and we will go ahead and connect them with the local BioCharger service or offering.

Dave Asprey:

Okay, that's cool. I should have checked that out ahead of the show. I knew that we talked about doing something good but I was thinking people would just go and find it. You go there, there's \$500 off. I just went there right now. You call and you guys basically say where are you and you hook them up with the right local person. They just go in and sit near it for 20 minutes or half hour or whatever and just say, okay, mind blown our mind not blown. I'm pretty sure I know what's going to happen. Pretty sure know what's going to happen if you give this thing a try.

All right, that's cool. It's BioCharger.com/DaveAsprey, in full disclosure, sponsored episode all that kind of thing. I got a discount on my BioCharger and I'm probably going to get a few more for my businesses and stuff like that. It's all aboveboard. All right, save 500 bucks. If you want to get one and if you run a clinic or something like this, I think there's really legs to this, not because it's this new from nowhere thing. There are four lineages of technology based energy medicine that have come together.

My experience is that there are in the world, there are wizards. These are human beings who become incredibly obsessed with one or two aspects of wellness and we've had... Dr. Barrymore Glenn's been on the show. Chinese energy medicine, ancient lineage Dr. Strange kind of stuff where they actually interviewed him for the movie. Lived in a monastery even though he's a UCLA surgeon. He's a wizard of that domain. Taking ancient knowledge, bringing it forward, doing the work and putting it forward. For every wizard you have that has powers, there's 10 other wizards who cannot actually get out their own way and make their work available to the world because of whatever reasons.

This is a rare case where you've got our geek Jim, who is the wizard who has done the 30 years, who did the work with the people who worked with Tesla on these other things, put it together, plus the business operations side of thing to make something that doesn't require the knobs and dials and the wizards level of knowledge to use. I am not a wizard, but I hang with a lot of wizards and I have built trust with them to the point that I get to play with the toys and I know enough to be dangerous, but I wouldn't try to invent anything close to what you've invented here Jim. This isn't my domain. Maybe food and supplements is.

I like that you've got the deep ancient knowledge woven together and you just made it easy, because I'm so tired of just trying to stick electrodes here and insertables there and pee on that stick. I just want the data... I want the outcome and I don't want to do so much work. I think you actually crossed the chasm here to use... I think it's a gardener term or something from way back in the day. I just want to say thanks guys for doing the work. If you're listening to this show... All right.

If you listen to the last 800 or something episodes, I'm generally right more often than I'm wrong. I think I've earned the credit to say that. I would hope that if you've listened to at least a few dozen shows you figured that out. I am capable of being wrong. There is zero chance that I'm wrong when I say the human body's electrical. Even though it still makes some people mad. We know it. If you don't believe me, go lick an outlet we'll talk later.

Jim Girard:

Yeah. So, most of us will wait till we're dead. When we have a heart attack, what's the first thing they do? Is they put paddles on you and shock you back into life.

Dave Asprey:

There you go.

Jim Law:

Why wait?

Jim Girard:

Why wait.

Dave Asprey:

The difficulty for me was that I grew up in an engineering family. My grandmother subscribes to the Skeptic Enquirer, which is the original science troll newsletter from the 60s were like, "Nothing new can be real if it doesn't agree with our paradigm of meat robots." I had to deprogram myself around that and say I'm just going to go with the data and what works and be open to stuff that shouldn't possibly work given what I know. Then when you start doing research saying, oh, my God, there's so much here.

If you're listening to this, and this is the first time ever, all right, fine. Believe I'm wrong. Go over to that URL BioCharger.com/DaveAsprey and just go sit near one of these things. Then if you really believe I'm wrong, just try and use your cell phone and see who you call. There's something going on here. If you really don't believe me reach out and shock someone and see how you feel afterwards. Measure yourself, see how you sleep. It is not one of those. Oh I did an ear candle ear wax candle thing and I pretty sure I felt better the next day. I might have had a slightly bigger poop or whatever.

This is a hammer on the head in a good way. It is not a small effect or I wouldn't have the guys on the show. I want to really underline, there's real science. There's real history. There's real new innovation and you will feel it. I don't know anyone who's like... There's nothing going on here. I've never seen that but maybe you guys have. Anyway, very strong endorsement. I wasn't all the way sold until I used it for a little while and said I'm really pleased with this thing. So thank you.

Jim Law:

Awesome. My pleasure. Thanks for having us.

Dave Asprey:

Now if you guys like today's show, I would love to do more about some of the electrical medicine, electrical bio hacking stuff and I've been a little hesitant on two fronts, because over the course of designing 10 years ago, how am I going to bring all these disparate spaces together into the universe of bio hacking? I looked at... Certainly we want what astronauts are using to recover. We want circadian biology and we want temperature and all this.

But if you throw too much of the really juicy stuff that's far out there in all at once, it's too much for it to create a wave of movement in consciousness that I've been working very consciously to create, for instance, in 2011, before the Bulletproof Diet book came out, right when I first started talking about buttering coffee, if I just said guys, by the way, I'm going to live to at least 180 and I have these this weird electrical device. I've had one since 1997.

People will just be like, he sleeps in a tinfoil hat. He's completely not credible. I'm sort of saying, look, I'm willing to go deeper on electricity, magnetism, life. I'm already pretty deep there but if you guys are interested in that, the other one is peptides. I've been a little bit concerned about that because some of the effects are dramatic. I put it in my last book, but I didn't bring him up five years ago because I didn't think most of the world was ready until it was available and you didn't have to order weird stuff from Russia.

If you want to hear more about electricity, you want more from BioCharger specifically, on the show or on the blog, more history of electrical medicine or anything like that. Hit me up on Instagram,

you can always DM me. You can put it in the comments, whatever. Hit me up on Facebook, I would love to know. Help guide me as to where your interests are, and take me up on this challenge. Go to BioCharger.com/DaveAsprey. Find someone if they're near you, they might be in your neighborhood who the heck knows, on their website and just give this thing a try. It'll blow your mind. You'll walk out of there, if you don't believe any of this going, I had no idea that was possible. If that's possible. What could you do bad with this kind of technology?

Because that's the flip side of being a hacker. Hackers noticed in the 90s, that our friends at Microsoft might not be telling us what the software was doing. They didn't like it. So they said fine we'll just build our own operating system called Linux. Today our conversation's being recorded through machines that mostly run Linux or BSD or variants of that. So hackers actually did change the world by taking control the technology. Bio hackers are changing the world of electrical medicine by taking control of the technology.

They're changing the world of nutrition by taking control of their nutrition and measuring what it does to their bodies and manipulating it to get what we want, not what someone else wants. If we acknowledge there's an effect, it is our job as bio hackers to use the effect for increasing our own capacities and for increasing the world capacities not for doing bad things. That's why this matters greatly. If you want to hear more on this kind of stuff, tell me and I'll bring you more. Thank you for listening. You should go to BioCharger.com/DaveAsprey. Have your mind blown.