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Coming to you from the city of the weir,



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exploring topics from the esoteric and unexplored to dimensions unknown, shining a light of truth on the darkest corners of our reality. Welcome to the curious realm. You



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music. Well, hello everybody and happy tuesday night to all of you curious family out there. Welcome to all of our rumble listeners. We just started a few weeks ago, going live on rumble, and that has been fantastic. So thank you to all of our rumble supporters out there, doing what you guys do, having the conversations that y'all have, opening the minds that y'all are opening. Speaking of opening minds. Our conversations tonight are fantastic. In the second part, we will be joined by good friend of the show, King Gerhard. We will be talking about the science of cryptozoology, believe it or not, folks, when it comes to cryptozoology, though, as he likes to say, the important part is that last part, the zoology, the actual science behind it, you know, the looking for new categorizations of animals, looking for new animals. So we're going to get into that. We're going to get into the science behind it. We're going to get into how squatchers, how people out doing paranormal research, things like that. Are themselves citizen scientists and contributing to the data set, whether whether what you have is a proven anomaly or a disproven fact of nature or trick of the lens, what have you remember, you're adding to the data set. And even if it gets called, the data that's called from the data set is sometimes just as poor as important as the data that's kept in a data set. So we're going to be getting into that. We're going to be getting into some of the actual science behind this. And our guest in the first segment is an actual scientist, Dr, dr, Scott Taylor. He is the head of near death meditations. We will be talking about near death experiences, as well as one of my favorite topics, brainwaves. Many of you may may also know Dr Scott Taylor from his work with the Monroe Institute and binaural beats, things like that, a science which is very near and dear to my heart as a binaural beat musician. So welcome back to the show. Dr Scott Taylor, how are you this evening?



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Chris, you know I'm just excellent. Thank you for inviting me back on the show. I have been looking forward to this



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same here, man. Uh, over the last few days I have, I've had some very interesting, let's say, brainwave experiences. And along with those came a lot of Revelation, you know, and when it comes to brainwaves, when it comes to how our brains are, a so malleable doctor, not only, not only in the way that they repair themselves, but in the ways that we can train our brain to repair itself to get over PTSD things like that, through things like binaural beats, but also how our brains react in situations like near death experience. I know that the Bigelow Institute put out a big bounty on contact with the other side, anybody that could, laboratory wise, prove connection with the spiritual connection with an ND E or with the other side. And even, even some of the laboratory work that's been done on the brains of nd experiencers, you know, is, is pretty fascinating. So what, first, what first brought you into the world of studying brainwaves? Let's, let's start out there before we get into nd experience, doctor,



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sure I



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for the listeners on your channel may remember that I had a shared death experience back in 1981



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and I.



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In that experience, I



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witnessed my girlfriend, who had died six days before, come across the veil and scoop her son out of his physical body when he made his transition, and then the two of them embraced me and took me to the light. And, you know, Chris, it was a it was an extraordinary experience. It was like I was just bathed in the love of the universe and that I had contact with each and everything that was available out there. But, you know, that wasn't the most important part. The most important part was that I was able to be with them, and I got a chance to I had a

chance to save my love and affection for each other, for them, and I had a chance to say a proper goodbye, and I had a chance to be with them. So when I came back to my physical body, I had this burning desire to go and enter that space again and establish a relationship with Mary Fran and Nolan. And that's when I started searching the world for a way to be able to do that that fit me, my personality, my lifestyle and that whole thing. And I found it through the Monroe Institute and the work that Bob Monroe had done with binaural beats and how binaural beats help and train the brain to expanded states of awareness. And it was through the use of those binaural beats that I was able to raise up my frequency level enough that I was am able to establish contact with Mary Fran and Nolan and and have a relationship with them that continues on to this day. So that was a long answer to a short question, which was, it was a desire of mine to, you know, to to go there again. Was I knew. I knew, if I done it once, that I could do it again. Yes,

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yes. And, you know, I think very much your yours was a shared indie experience that brought you to this revelation and brought you to this quest of bringing your brain back to experiencing that and and I think mine was very much my, my experience that I had to change my life, and we were wondering how to build the bridge between indie and binaural beat before we started this show doctor. And that's exactly how to build the bridge is. Is that idea of being able to have your brain scientifically replicate what happens during that nd experience and the and the brainwave patterns that it's experiencing. You know that that once again, once you once you start looking at high crown chakra vibrations, things like that. Yes, you're going to get almost an astral projection type experience with the brain?

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Yes, well, what we know about binaural beats is that they are very good at leading the brain into specific states of consciousness, depending upon the blend of the frequencies, you can lead the brain into vibratory states. I call them vibratory windows, that allow the person who's who's doing it, access to, you know, really specific types of experiences, like, say you want to, you know, tour the tunnel that takes you from the physical world to the non physical world. Well, that exists at a specific brainwave state. And does, you know when you have the reunion that takes place at a vibratory rate that is unique to itself, and that place where

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you know that area of life between lives

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that exists. Said at a frequency level. And what most people don't know, Chris, is that in in the ease people have the experience of one of, usually one of three lights. You know, there's a white light at the end of the tunnel. We've all heard about that one, yeah, but there's also black light, yep, which is the source of all things. It's the void. It is where, if you're a Genesis one fan in the Hebrew Bible, you know, it's, it starts right off and says, you know, before there was

anything material, there was the blackness, there was the void, yeah, deep, yeah, something like something on that, or depending on your translation, anyway. So it's an extraordinarily wonderful, loving state. Folks often call it the womb of God. Lovely, the womb of God. Yeah, and, and then, of course, there's clear light, that's the third kind. And there's not the third, I'm sorry, clear light is the experience where, you know, I I saw you there at the beginning, you know, sitting at your desk with with the microphone on the monitors and all that sort of thing. So if you were having a clear light experience right now, what it would be like is that all of a sudden you realize that everything is made up of this light of the universe, and that everything is vibration. You could feel it, see it, understand it. So they're really different kinds of experiences, and they exist at different frequencies that you can access using minorl beats.



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That is a that is a beautiful way to explain that doctor, because, you know, especially when you start talking about the frequency of vibration when it comes to a near death experience, and the type of near death experience, the fact that, though you're though you're within that range of frequencies for that kind of experience, that There are nuances in there. And our good friend Mindy taught fest. Author of dying to meet them is one that speaks about a void, like you said, a blackness. And she was brought up in a very Christian upbringing, you know. And we all I was brought up Roman Catholic, studied as a seminarian. I even had my misconceptions about Indies. I would say one of my most eye opening experiences was sponsoring and going to the International Association of near death studies conference a couple years ago, and talking with many people and talking with a couple people who had in the ease that were not pleasant ones. They were not happy ones. They didn't come back with the message of love and hope. They came back with the message of, you're lucky to be alive, and you better change your ways real quick, you know. And, and, and then Mindy is, thus far, the only one that I've met that her experience was going to void, where, where, what she assumed would be, the light at the end of the tunnel, the loving voice, the the message was, was just nothingness. And like you're saying, still, is still a beautiful thing. And she, she has had a beautiful experience with it in her life, you know, and and it has brought her to beautiful understanding. Because, yes, I believe very much the same thing, that emptiness is, once again, that that full loss of ego,



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you know, yeah, absolutely. It's a place of unity, yeah, it's, it's a spot where you drop all of the Eat all of your ego, and you just become one with the universe, because there's nothing there to that you have to interact with you get the pleasure, the gift of being with yourself and all of eternity. It's It's an extraordinary experience, and some of the people who have it realize that this is the foundation of our entire universe, this loving, black source of all things, and they get a chance to experience that other folks, because they're thrust into this space where they were expecting something, or at least. You know anything, are thrown off by it and and sometimes they interpret that negatively, which is too bad. It's one of the reasons that, you know, I encourage people to to develop meditative states, and especially those that are associated with a near death experience, so they get a chance to to know the complexities of the non physical universe and the treasures that it has for us. Yeah, and and sometimes what we think is a bad experience is actually not that way. I like your example that you gave just a little bit ago. I you know when people come back and they say, Oh, my God, I had this terrible thing that happened. And you ask him, you know, well, what happened? And it essentially was, you know,

this conversation, like Chris, you signed up for a mission, and your mission was to do X, Y and Z. And guess what? You're not doing that mission. You're not even close to doing that your mission. You are off messing around doing this and messing around doing that, and you're not tied in with what it is that you came here for. So I call it the two by four message alongside the head, you know, because, yeah, it's our guides getting, you know, ripping us a new one and reading us the riot act, saying, Listen, you are squandering this most precious gift of being alive, and we are here right now to tell you that you got to shape up and fly right, you know. So there's that kind of thing. But you know, there's also other things that happen in a difficult experience. Those of us that have read Joseph Campbell the hero's journey, yep, you know, know that there's a cycle that happened on the hero's journey, and at some point in that journey, the hero has to confront this really big problem. You know, like in Harry Potter, remember when Gary had to confront the three dogs that were drooling? Well, in negative experiences, there's often a test like that, and it is the test of the soul to say, claim your agency, claim your power, and figure out how you're going to get around that three headed dog over the mountain, you know, across the stream, whatever it is that is being presented to you as a barrier, and this is where you begin to realize that you can do all kinds of things that you never thought possible. It's like, get out of your human head, yeah, and learn to experience all of who you are. So it's,



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it's one of those



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things that you know guides will put in front of you to help you grow. And it may not be pleasant, but afterwards you go, I learned so much as a result of that test. Yeah, that you know, I am now a better person, more able to live in the peace and joy that is our physical life, yeah. And the last thing I'd say about, you know, like a negative near death experience, is that sometimes people come back and they talk about how afraid they were, yeah. And I'll ask them, Well, were you afraid, or were you just startled? Because there's a really big difference, yeah, yeah. And, and I get a lot of folks will come, you know, sit back in their chairs and think about it, and go, No, you're right, Scott, I was startled. There was something that happened that I didn't expect. And it really threw me, well, what we know about that environment when that happened? And so for the price of admission, for those folks you that are listening to this right now, this is this is worth your time. So if this happens to you in the non physical universe, the way to deal with it is just to step back, look at this three headed, drooly dog and say hi. Now that you have my attention, what is this that you're trying to tell me. And universally, that three headed drooling dog, or whatever it is that's you know, causing you trepidation, will morph just like that, and it'll morph into a shape that's more pleasant. And they'll say something like, let's talk about the life you're living. And do you really think those whatever drugs people you hang with, the career that you chose, whatever, whatever you know, whatever is, is what you came on earth to do. And then you can actually have an honest discussion with somebody who loves and cares for you and wants you to grow as a soul. You know that's the role of guidance is to, you know, to always be there for you, and if you're straying off the path, you know they'll come get you.





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And you know, at first it might not be



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pleasant, because it takes a while maybe to realize that this is your best friend in the whole world, or in all the worlds. Make it more precise, yeah.



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So if



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negative experiences have a lot of these, you know, points in common, and then every once in a while, somebody will tell me a story, and I just have to look back and go, I don't know why that happened. It doesn't make any sense to me. And I don't have the perspective of, you know, an omnipotent being who's able to see all the parts, and, you know, at that point you gotta, you know, just give them a hug and and say best wishes, trying to figure that out. Because, yeah, I don't, I don't have an insight on that. Nothing happened all that often, but every once in a while, I'm, I'm bamboozled, and I'm, you know, a beautiful human being has a as an experience that I can't quite figure out what that's about. Nice thing is, you know, we all get a chance to when we make our final transition, we can really ask the troops upstairs, what was that all about? Yeah,



22:42

yeah. And, you know, even, even the idea doctor of the the ninth grade science behind it all. And I can hear my audience right now in the background, they could probably quote me the whole idea of like by all ninth grade science, we are 90% empty space. You know, you and I were sharing an electron shell by everything we know, by physics right now, you know. So



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I think, I think you're a little light on that. I think it's in the 99



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Yeah, no. I mean, I may very well be fully under underestimating that. But the idea is that we are not solid matter. We are we are conscious vibration, if anything you know, and that energy cannot be created or destroyed. It can only change form. It can only resonate at a higher or a lower frequency, and thereby move between dimension that's vibrating at that frequency. Interesting.



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Yeah, interesting. You should mention that because I've been working on teaching people to bend spoons or, yep, rebar. Well, you know, that kind of stuff. Yeah. And you know that the intellectual theory behind all that is that, you know that seemingly solid spoon has is almost all space, yeah? And, and there is space between the spaces like this space between molecules, yes. And so what we do as human beings is that we have the ability to affect that space through our vibration and our intention. And it's a very powerful thing, yeah, to be able to intend to raise our vibration, which is what you do when you want to bend spoons. And so when people think about that, and they go, Wow, you know, if it's 99% space, and what we're doing is raising up the vibratory level. Yeah. And that means that we are also now 99% in communion with that space, yeah. And you know, we can ask the spoon, we can intend for the spoon to bend, or



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whatever we wanted to do. I



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am here to tell you audience, I have seen this happen before my eyes. I have seen a spoon that I have provided bent in front of me like that, and it will blow your mind. Because, I mean, of course, the first thing you think is the scene from The Matrix. The the real trick is to understand there is no spoon. You know,



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I love that



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quite literally. It's so real. It's so viscerally real. Doctor the idea that no there is no spoon. What there is is the agreed upon illusion of spoon. That that platonic, that literal platonic concept of the essay, qua essay of spoon, you know. And the agreed upon idea of this is perfect spoon, and now it is, you know.



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And we can say, you know, that idea of spoon now contains the verb, bendable, yeah, yeah. All right, sorry, that's an adjective, bendable spoon. But



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yeah, you know, it's the fact of we can change it by literally changing the definition of it in our mind. And it's pretty remarkable to think about that, and especially when you start thinking about bringing your brain to that pattern, bringing your brain to that point of vibration through things like tuning methods, with with binaural beats and stuff like that, once again, where, where you can use the biology of your brain to your advantage in this way, and kind of the way I explain it to people whenever I'm working my booth is, yes, frequency therapy is amazing. It's fantastic. It's like going to the spa to have a singing bowl, you know. And that's absolutely radiating through you and giving you benefit, and your brain will entrain with that fall out, come back in, fall out. The difference between that and binaural beats is the singing bowl is like going to the spa, binaural beats is like going to the gym. You're literally teaching your brain to make that frequency itself when it needs that frequency, as opposed to just responding to the frequency when provided.

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So so I explain it like, you know, when you're listening to binaural beats, or lens of binaural beats, you know, you're, you're wearing headphones, and it's, and it's a lovely, relaxing thing. Well, after you've done it five, six times, that is the wonderful thing about our brain, is that it remembers, so you don't need the binaural beats. Yeah, after a while, you just, you know, toss the headphones, and you go, I remember what it felt like to be at the state where I'm entering the black light. Yeah. And you can just remember it. And your brain adopts that frequency, poof, you're there. It's really quick, and it means that you're not dependent upon any technology, any CD oops, sorry, that just got my age there. Okay. Does anybody use CDs anymore?

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I'm sitting right next to a reel to reel tape machine. Doc, don't worry about it.

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You but it's the truth we don't have to have this technology, because our brains are so good at remembering and adopting the frequency level that helps us to enter into these various expanded states of awareness. And then beyond that, it also has the ability to alter that based on our intentions. So if we're entering into a brainwave state where we, you know, meet our guides, or go down the tunnel. It's those are really close to each other. Yeah, you know, you can say, you know, what I'd really like to do is enter that white light at the end of the tunnel, and your brain will go, Okay, I remember that. That takes place in the white light. And there's a, there's a frequency associated with that. So it's. Wow. And it just, it just finds the right frequency to allow you to have the experience that you desire. It's, you know, that's the part I just marvel at the construction of this physical body that we have, and who's thought about this stuff that, yeah. So I'm, you know, hats off to the architect.

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Well, well, and you know, just speaking of, speaking of architect, that that kind of brings us to a concept here with our brain doctor, um, for 90% empty space. And if we are conscious

concept here with our brain doctor, um, for 50% empty space. And if we are conscious vibration, and if we can change that vibration, via, via intention, as we're saying, what's the use of the brain? What like?

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That's a great question. Of course, it's

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a beautiful of course, it's a beautiful transducer. Don't get me wrong, with fats and electro like electrodes and in a resonant chamber, it's a fantastic transducer of data, quite literally, electromagnetic fields, all kinds of things, but that, once again, is just affecting our vibration. So what's the what's the use of the brain, like the actual organ?

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Well, I actually know that answer, because having been in that state, you know, I had a clear light experience, and I was connected to everything in the universe. And if I had adopted physical form

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and had that ability to,

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you know, be in contact with everything in the universe, I'd be a dead duck. I mean, you have to focus when you're here in the physical world. I mean, there's snakes in the grass and tigers in the trees and all kinds of things that you don't want to step off the curb looking the wrong way when you're in London, it takes focus to be here in the physical world. So what I believe the brain does is it takes all that information that the universe is providing us and filters out the things that we don't need in order to be here in the physical Yeah, so it's literally, it's like a radio where you're tuning the right dial to get to the right station. You know it, it takes care of the 27 channels or stations down below that, and the 100 stations above, just so you can get just the right information, so that you can be here in the physical world focus. And then, of course, like you were talking about, it's, you know, it's an electrical organ, so, yeah, it directs all the action for our physical body. It says, if we're going to be here and we got to walk across the street, we're going to look both ways. It allows us to move our physical body. And it is the interpreter, the filter, for all of the non physical information that's available to us. And what happens back to near death experiences is that when people have a near death, a shared death experience, or a spiritually transformative experience, some of those filters just get knocked away. Yeah, and when you and when people come back, you know, they, they sit there and go, well, shoot, I can, I can hear what people are thinking. I can see dead people, you know, walking down the hallway. Yeah, I can, you know, they come back with what we would

call superpowers, but really what they what it is. I mean, these things have always been there. It's just that our brain has filtered them out. And once those filters got knocked away, we can do that, yeah. And so in the not everything is useful, yeah. So when I came back, Chris from from my experience, the one thing, one of the things that happened to me was that I can drive down the street, and to this day, you're driving down the street, and the street lights will go out right in front of my car, and then they'll turn back on again, as I you know, pass by them, wow, as well. As far as I can tell, that is absolutely no good to anybody. Yeah, yeah, but, but I can do it



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might bring some people. To another near death experience, you know, maybe. But you know, that brings up a topic that we bring up regularly on this show, especially with experiencers of third and fourth degree, Close Encounters of the Third and Fourth Kind, very close encounters of craft being a board craft, people who have had experiences like possession happen in their life. People who have had things like indies happen in their life, where, literally, they have crossed a barrier and come back and once again, like you're saying, the vibrational rate changes. And I consider it kind of like an analog wind up watch being around them a magnet. You know that that watch will forever be magnetically sensitive? Yeah, from that point forward, it's it's altered in that way, and it tells time in a different way than than every other watch around it.



36:06

Yep. So I had a conversation with PMH Atwater about this very topic. And excuse me, and for for those in the audience who don't know, PMH Atwater is one of the leading researchers in the world of Near Death Experiences. She's written some, I think it's up to 22 books. Now might be 23 sorry. PH, I got that wrong, but she says that her definition of a near death experience really is tied into two things. One is that the way you measure a near death experience is by the after effects. It isn't so much what happens to you during the experience, but kind of what happens afterwards and and second is that that change is the result of having touched the light. It can be just a microsecond of, you know, touching that white light, the black light, the clear light, and it permanently changes you. Changes your vibratory rate. It changes how you think. It rewires you, just just like that. That definition becomes really important because I've interviewed hundreds and hundreds of near death experiencers, and some have no memory of, say, the car accident itself, because, you know that crash, they had a traumatic brain injury or whatever. And you know physically, that part of the brain just isn't up for remembering that particular instance. But they are poster children for the After Effects, and it gives them great peace of mind to know that this change in them is due to something they can put their finger on and go, Oh, I had a near death experience. That means that all these After Effects, they fit into some sort of a pattern, and I have a tribe of people who will understand me, who can relate to me and help me through some of this strangeness that's now happening around me. You mentioned it before, Chris, this the International Association for near death studies. They have a conference every year. Yeah, and it's coming up over Labor Day. It's in Scottsdale, Arizona. So if you're in that neck of the woods, you might want to come and check it out. Will you be there this year our Yeah, oh, man, it's coming up. Oh, that's



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over my birthday weekend, and I was so tempted to come out this year, and I don't know if I'll be able to or not, but it's an incredible conference, Folks, I'm here to tell you, it's absolutely it's incredible,

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and half the people who attend that conference are experiencers, yeah, and one of the lovely things they do at the conference is, if you're willing to tell your story. You wear a special ribbon on your name badge, and it gives whomever permission to come up to you and say, Would you tell me your story? What? What happened to you? Yeah. And so as you're going through the conference, you see, you know, pairs and threes, you know, just litter. All over, people are telling stories about their experience to another complete stranger. Yeah, and you get to attend all these wonderful presentations and workshops and

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just so you know, folks like, if you go to [curious realm.com](http://curiousrealm.com), forward slash events down toward the bottom, you can see all of our interviews from the I ends conference a couple years ago, and I will tell you right now, I'm not going to say I'm psychic in any way, shape or form. I've definitely done my fair share of dream work, things like that. I will definitely say I am vibrationally sensitive as far as, like, walking in somewhere, knowing something is amiss, that kind of stuff, I was literally put down at that conference, like, like, physically affected by the amount of energy

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in in those rooms,

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like I was sick for a day and a half. It is some intense, intense energy being around these survivors, being around these people that have come back from this experience. It was and I mean, I've been to psychic conventions. I've I go to MUFON every year, I go to paranormal cons. I've been on paranormal hunts. I've all kinds of things. Doctor, I do not think I have felt that kind of vibration in a room with that kind of intensity. And I don't know how long.

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Isn't that a remarkable thing. Yeah, it's beautiful. It's beautiful.

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And once again, the stories that were shared, the stories that we got from people, were

absolutely amazing. And, yeah, it's it's great to be somewhere where there is so much love and understanding and acceptance of something that is so, so entirely a life changing moment. And like you said one day, I mean, it's not like you're ever expecting it to happen to you. You You are startled into that experience. You know,



42:15

yep, yep. I often talk about, you know, people will ask me think, well, how can you, you know, answering, what are the benefits of doing meditation, as opposed to like having a near death experience? Well, first off, with a near death experience, your physical body undergoes such trauma that it dies, and it takes the magic of the EMTs, you know, to bring you back. So I highly do not recommend that path of action. Yeah, and, but by by meditating and learning to enter into these vibratory states through meditation, it's like, let me see that's a good way. Okay, so a near death experience is like standing outside with a, you know, it's a really black, nice, no moon, and somebody grabs you and throws you into the deep end of the pool. And you didn't even know there was a pool there, you know, there's just this instant transformation of your environment, and you're underwater and you don't know which way is up, and can you breathe? Yada yada, right? But in meditation, what is more like is that you get to put your toe in the water, and then you get to wade in the shallow end, and then you kind of move towards the deep end, and at some point you learn to dog paddle, and then at some point you swim, and as you get out to the deep end, you learn to dive and navigate underneath the water and come up, and you know how to breathe and how to be in that space that's safe, and you have time to explore because you know what you're doing, as opposed to the folks who actually have a near death experience thing don't know what they're doing, yeah, they're just thrust into this environment that they weren't expecting. So it's, it's a lovely thing that way well, and



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we have you for about 10 more minutes. I was gonna say, let's move from that idea to the idea of using these frequencies, using binaural beats and other meditation methods to to literally not only prepare yourself, but prepare your family, you know, like, what if somebody has a family member living in hospice? And this is something this transition, is something that they're afraid of. Doctor, you know, is this something that can help prepare people for. For their transition ultimately,





45:05


excuse me, excuse me. I got a frog in my throat. The short answer is yes, of course, and it's done a couple of different ways. One is like me. I mean, my my dad passed away this last October, and we had a chance to talk about what was coming up. And, oh, he could think about this transition. And he had questions for me about, you know, does it hurt? What can I expect? Yeah, where do I go? You know, all that kind of stuff. And so because, you know, I live in this realm for the last 35 years, you know, I had some answers for him, and that was really helpful some people, like, I don't know, about a dozen years or so ago, my dad actually said I would like to try on those headphones and get a sense of what that feels like, so I can go there ahead of time and Be able to not wonder what is going to happen. And you know, there's a couple of things that you can do, one of which is, you get to request your escort. So when you leave your

physical body for the last time, you can request that somebody that you know and love be there to escort you to the light, and they really will show up, because clearly there's a bond. There a loving bond. And of course, if somebody asked you, would you be there or me, of course you'd go, yeah. And so the same thing, same thing applies that you can

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have this

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really loving being there for you, so that you feel safe in that the transition is easy. The other thing that I find is really fun is to I had a cousin who was in hospice, and she was terrified of her transition, and so what I did is, you know, we sat down and we planned what her reunion would look like. And she wanted a picnic, you know, with a tent, kind of in this field between trees and flowers. And she, you know, she wanted picnic food. She wanted burgers on the grill and potato salad. And she wanted, you know, tablecloths that had certain colors and flowers. And, you know, we planned the whole event, and then we invited the people that she wanted to have a reunion with. And there were some real favorites that she wanted to show up and and the pets that she had loved throughout the year her years, and in that process of doing this party planning or planning her reunion, yeah, What happened was that instead of being afraid of something, she was looking forward to something Yes, and it allowed her to be really at peace with this idea that her body was failing from cancer, and when it was time, she knew that Uncle Ben was going to come and pick her up, and that her her family, her grandparents, her best friend, her neighbors, that she grew up with, some favorite school teachers, they would all be there to welcome her back and have a wonderful time exchanging you know, like, well, what's going on in the physical world? What do you guys been doing up here in heaven, you know? Yeah, come on, spill the beans. So anyway, it it makes a difference, because all of a sudden, now what was unknown is now known, you know, and there's some scary things out there, yeah, that people have put into our culture over the years,

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one of which is,

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and you'll appreciate this, Chris, because you know, if you were to go and Google. Uh, images of death. And you did that 15 years ago, or even 10 years ago, more than likely you would pull up the image of the Grim Reaper, you know, and he's got this hood, and there's no face, and there's a big, sharp side. Everything about it is malevolent. This is not a good time. But if you do that today, more than likely the vast, vast majority of the images are going to be the light at the end of the tunnel, and that is due to the work of Ian's, to the work of people who Ender, who University of Virginia, who have done substantial work on what is near death experiences about, what are shared death experiences about? Yeah, and once we've known it, has changed

our culture. I mean, let's face it, Chris, even Harry Potter had a near death experience in the last film. That's right. So it has really changed us as a culture when we have looked at this, at the data straight in its face and said,



51:31

tell me what's going on. Yeah,



51:33

tell me what's going on. Well, so all those, all those stories. I mean, I think the last time I checked between the various databases, there are about 30,000 stories about people who have had near death experiences and have written about them. And they're, you know, it's data to be mined and you know, and that's what it is, you know, what they say about having a lot of stories is data,



52:07

and you know, Ian's is another one of those databases that, much like MUFON, I cannot wait until they can leverage AI in their database and start feeding their research papers, start feeding their case stories into an AI, a proper research AI, like, just so you know, the one that I use, and just so you folks know out there, I am, I am NOT an affiliate. I get no money. Psy, summary, SCI, like the first part of science, psi summary, and it's quite literally used by research scientists in laboratory settings, because it only works off the data you feed it, so it doesn't it doesn't pull from Google or duck, duck go, or anywhere else you feed it the PDFs of the papers that you want to summarize. So if you have 200 articles about, you know, liver tissue damage done by done by alcohol, you could put them all in there and ask it for a 2000 word summary in 10 bullet points, and it will collate all of that information just with the data that you give it, not drawing from anywhere else. So using things like that with databases like high ends would be incredible, because, yeah, you could, you could start finding similarities through stories, through experiences in all sorts of different areas. Doctor, very rapidly, very rapidly.



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Boy, you know, I sure wish I had had that when I was writing my dissertation, and I had those 200 books to review. And, yeah, interviews today, yeah, that would have been, it's,



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it's pretty incredible, you know. And there are things like that out there now. I mean, Microsoft, just this last January, fed, fed tons of research into their AI, and in one day found, I think it was almost 10,000 viable organic compounds to replace lithium in one day. Really, it was like a decade of laboratory work that this AI collated through in one day and found, like organic sources that could be used instead of mining for lithium.



54:32

Absolutely remarkable.



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I'm glad I didn't have to do it well.



54:39

And the thing is, we we can now start leveraging this kind of technology against data sets that we have for near death experiences, that we have for UFO, UAP experiences, paranormal experiences, and start finding these areas that we need to study, you know, and that we need to. To really be ready to shake the hand of science with because that's where we're at right now. We are realizing that, especially with quantum entanglement, things like that doctor, that so much of this is related. So much of this is related, you know. So I want to thank you so much for your time, I want to thank you so much for coming on again and again and discussing these deep topics, discussing how our brains can literally change the world around us and and how we relate to that in in the world around us. So let everybody know where they can go to find out more about your work, where they can go to take your courses, because you offer courses in this frequency shift and in preparation for those things. So let everybody know where they can go to buy your buy your binaural beat music, as well as take your courses and everything else. Doctor



56:00

Well, thank you for the ability to do a little commercial. There's one, there's one place that has all that information, and that's my website, near death meditations, plural.com, near deathmeditations.com, and there's, you know, there's an event section, and there's my classes, there's the CDs, there's a nice bio of me. There's, if you haven't heard it, my story is on the website. All my links to the courses I teach for shift. So it's that is the one place to go that you can get all things near death experience right there so near deathmed stations.com.



56:47

Absolutely, doctor. Thank you so much. Once again, for your time. I greatly appreciate it. I love your work, and once again, I want to have you on again and again and again to talk more about this, because the world of near death experience and the world of brainwave technology, to me, just go hand in hand. So, yeah, I'm very excited. We do gonna be at Ian's this year.



57:15

Yeah, well, we do have a good time, Chris, so I look forward



57:17

to our next conversation. Same here, same here, you take care. I will be in touch with links and all that kind of good stuff. You have yourself a great evening, and we'll be in touch soon.



57:30

Alrighty, bye, bye. All right, bye, everybody. Man,



57:36

always an incredible conversation with Dr Scott Taylor, and I'm here to tell you, folks stop on by and check out. Ian's ians.org is the website I'm almost convinced to go to their conference again this year. They contacted me the other day. And you know, I've got, I've got people in in Phoenix, I could probably stop by and say hi to Hey Andy, Hey, Sarah. So, yeah, yeah, I don't know. We may be getting reports from my ends this year, folks. We'll see, but Dr Scott Taylor is always a fantastic conversation when we come back from this commercial break. Real quick, we will be joined by our friend in pre recorded fashion King Gerhardt. We will be talking about the science of cryptozoology, what you can do as a citizen scientist, and the importance of preparing yourself, preparing your investigations, to shake hands with science when we come back from our break right after this you the



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key



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to good science is good research. At the heart of good research is a good data set, but the field observation and encounter log from curious research, you can easily keep track of your investigative information all in one place, making it easier to review cases and readily see comparisons and contrasts between them, whether out in the woods, squashing in a back room, gathering EVPs or using high tech gear to track UFO, UAP activity this easy to carry pocket size, scientific data log is the perfect companion for any field researcher. You can find your copy of the curious research field observation and encounter log@amazon.com or visit the official curious realm store at [curious realm.com](http://curious.realm.com) forward slash store to reserve your copy for yourself, your family or a mind that you want to open that website again is [curious realm.com](http://curious.realm.com), forward slash store, you. Thank




1:00:09

you. Thank you everybody for holding on through that quick break. And thank you so much to our sponsors, especially [truhim science](http://truhim.science). If you are a CBD user like myself, stop on by [truhim science](http://truhim.science) today. Truhimscience.com is the website that you want to go to. Curious seven is the

code that you want to use to save 7% off your entire cart of \$50 or more and get 250 milligram edibles on the way out the door. I'm here to tell you I've tried CBD all over the country, from dispensaries all over the country, I have yet to find any product that compares to that of Christopher Lynch and TruHim Science. Stop on by and check them out today. TruHimScience.com Once again, is that website curious? Seven is the code that you want to use. Our guest in this segment is the amazing King Gerhard. He is the author of *The Essential Guide to the Loch Ness Monster*, as well as author of numerous books in the world of cryptozoology, cryptids. He's co-authored books with people. He has written forward to books. He has been all over Travel Channel, History Channel, a talking head on numerous shows, and his new website, KingGerhard.com he is actively doing cryptozoology classes, and I am all about that. That's what we're here to talk about tonight, is the science of cryptozoology. Welcome back, King Gerhard. How are you doing? My friend,

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hey Christopher, thank you so much for having me on. Once again, it's always good to see you, my brother. Hey, absolutely

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same here, man. And you know, I have been very excited to see you literally selling out your crypto zoology courses that you have put online you've been doing for the last few months. We had you on just before they started to kind of promote them a little bit, but it's been, it's been great to see the response of people wanting to come and come and actively learn what the science of cryptozoology is and and learning to understand that it's a science. It's not just like a para study that's out there, you know, and I'm involved in a lot of para studies, believe me, but the the science of cryptozoology is fascinating. Let's, let's start cracking that nut open a little bit. Kid,

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yeah, thanks, man. I've been real excited about the response about six months now, we just started our fourth session, and

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lots of students that

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lots of enthusiasm and everything from like experienced researchers, who honestly, Christopher, it was a little bit surprising and also humbling when some researchers that I've known for a long time I know are very active and do a lot of stuff in the field, crypto researchers and stuff, took the course and humble themselves a little bit, because we could all use a little bit of knowledge here or there, or a little refresher. And, you know, we do, we do quizzes.

There's six classes with a quiz for each class. The quizzes are mandatory. I don't want anyone to feel like if they're not into the quizzes. I mean, it's ultimately, it is about fun. I don't have a real accreditation, and I can help anybody. I offer a certificate and quiz is and feedback with Q and A's at the end of the class. And have had some really interesting questions and discussions come up and been really pleasantly surprised as a, kind of a first time professor, if you will. I've been, you know, getting the quizzes back, and the scores are just, you know, really high. So it's just been a great experience. And it helps me also, because I get to, you know, kind of brush up on my subject matter. There's so much the field of cryptozoology is so vast. As you know, it's not just Bigfoot, the monolog, this monster and the Getty, that you have so many different types of Cripps and aspects to the mysteries and mysteries within mysteries. So it's fun to talk about all about, yeah, yeah,



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precisely and specifically, the science behind it. Because once again, I think people forget exactly how open the door of science is and should be. You know the fact that it starts with observation. So if you have seen something out in the woods, if you have had an encounter like science has started at that point. You know, even even if it's an observation of something strange, something you can't explain, the scientific process has still begun right there. Oh, yeah, really, I thanks



1:04:59

for. Underscoring that, because that is a major theme. For example, the first class in my course is cryptozoology. 101, which is a very foundational class. And I always kind of start by reminding of them that the important word within cryptozoology is zoology. It is. It was designed. The discipline was designed and intended to follow the same methodologies as traditional science, in terms of being evidence based and different types of evidence, maybe a little bit more multidisciplinary, because you have to do a little bit of folklore and zoology and, you know, paleontology and anthropology and all those things kind of meld together, sure. So the first class we do cover a lot of there's like a crash course in biology, zoology, taxonomic nomenclature, and then you get into paleontology and geologic timelines and Cladograms. And then we apply it and actually apply it to like new animal discoveries of the past century, who I refer to as the Darwins of cryptozoology, animals like the coelacanth fish and the okapi and this moto dragon and megamos Shark. And, you know, all of these fabulous discoveries over the past century have really kind of reinforced, at least to the scientific world, that, hey, every once in a while, there is a large and surprising new species that you know can come out of the step out of the mist and into scientific reality, if you will. So, yeah, science is fun well. And,



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you know, I think even even all of last week, I heard the claim from somebody, if it was out there, we'd have found it by now, you know, and I have to remind people, whenever that comes up Ken that we discover 10s of 1000s of species a year, like even during the pandemic, during a full global lockdown, there were, like 7500 species discovered. Now, granted, that's insectoid and reptilian and subspecies of things that have now been classified after, you know, people have gone through and looked at photographs and other genetic work and things like that to

properly categorize them. But at the same token, the fact that even during a lockdown we have, we had that many species that were added to the catalog. Yeah, it's, it's, it's interesting to think about that, the idea that we are constantly discovering, yeah, new animals. A 2011



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to your point, Christopher, a 2011 study. It was a joint study between two universities. One is the University of Hawaii, and I think we're in Canada, but using different scientific models and projections and drawing from a number of different sources, two scientists calculated that there's probably that like something like 85% of the earth species have yet to have been discovered. Like, I think the official count right now is somewhere in the neighborhood of 1.1 point 9 million species, but they estimate it could be as many as 8.9 on the planet. So that's kind of an eye opener when you think about it in those terms. No, you're right. Most of those are going to be like things in the ocean, mollusks and crustaceans and micro bacteria and insects and things. But every once in a while, I think a few years, it seems like there's something that scientists find that's maybe a little bit surprising in terms of whether it's a Lazarus taxon and they thought it would extinct in the 70s, or something that lives. I mean, there's certainly other than the ocean. There's some really bio diverse and very productive areas of the planet that have produced the most recent animal discoveries, like Southeast Asia and Indonesia, the Philippines and New Guinea places like that. And then South America, obviously, the Congo Africa. South America, the Amazon Africa, the Congo and, yeah, you know, those, those areas are all you know, sadly, sadly, there's, there was deforestation going on in some of those places, and habitat loss. That is a deal, but, but still, some of those areas are fairly inaccessible by humans, a number of reasons. And yes, it's, it's all about the spirit of discovery, yeah, yeah, inspirational discovery. Well,



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you know, even things like the article that I just had up that was out of BBC wildlife, the Bornean clouded leopard was just filmed for the first time ever. This is an animal that they've known to exist. You know, um. There have been rare photographs here and there, um, but for the first time ever, caught on a trail cam



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Neo feliz Diyar died,



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yeah, but cloudy leopards,



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but yeah, it's a it is a prime example of um. Something that has just gotten that kind of evidence, you know, and that, I think is brings us to a topic that is hot, especially in the world of paleontology. Ken and that is evidence. What can what can we look for in the world of

cryptozoology, Ken and that is evidence. What can we look for in the world of cryptozoology, because, of course, the first thing that we start with is observation. You know, even if somebody has a picture, things like that, but we've had the conversation before, privately and on the show. I don't, I don't think a picture or a video is going to be what? What hands down, does it? I mean, we've had, we've had pretty good footage of Patty for a long time from the Patterson Gimlin film, and that's been raked over the coals and looked at by physiologists and pretty well authenticated. But is that the proof and evidence that science needs.



1:11:05

Yeah, I mean, obviously the photographic evidence, alleged photographic evidence, of cryptids and unknown animals, is becoming more and more problematic as a night takes hold and people get more skilled with Photoshop and photo manipulation, and you really just unfortunate that you can't believe you know, and you know, well, let's put it this way. There's certainly a hierarchy in terms of something like the borne cloud of leopard. Okay, yeah. Scientists knew they were there, but just hard to find. Yeah, you see 2006 or whatever they genetically need to follow genetic test of, okay. That's different than the Asian crowded leopard or whatever. We know they're in Borneo, but Okay, so, yeah, a photo for something like that is acceptable. But if you raise the bar to something like Bigfoot or any other like legendary type of animal and creature, then yeah, certainly you need more than photographic evidence at this point. But the good news is that you know, the technologies like environmental DNA, it is still expensive, but it's getting more accessible. I've actually finally, you know, worked with a lab in Colorado, and some samples I took and, oh, wow, cryptos all just afforded any DNA, you know, analysis. So, so, yeah, that technology, I think, is going to really help in terms of, maybe change, you know, and then the focus should always be in kind of that the gold standard of evidence, with regard to any cryptic is going to be a body, bones, tissue, blood, teeth. And then, you know, secondary to that, I'd say the Edna, if you can afford that. And then, in the physical case, evidence can be interesting, things like footprints and scats and hairs and things like that. Sometimes, at least you can start to build a case if you go through something being real. So, yeah, but we're getting there. I mean, the technology is getting so it's interesting, we have this paradox, right? The technology, in some ways, is getting so good that you have to disregard a whole line of evidence. But on the other hand, in other areas, the technologies, you know, things like DNA, are now perhaps enabling us to find an animal, even if it's not around, but it was, you know, drinking from this waterhole, or, you know, walk through this little patch of grass and you got, you know, a piece of it. Yeah, that's pretty cool. Well,



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and you know, even that's something that we've discussed on the show numerous times with numerous investigators into this field, is the idea of leveraging new technologies in forensic data, the idea of, not only can you cast the footprint, but you could actively test the soil that touched the foot, you know, you could, you could cut blades of grass and have that tested for DNA, if there's a track there, you know, things like that. We did. We did not used to be able to get data like that. So because we can do that with human now, we can separate it. And even even the idea of, you know, I just popped up an article about AI helping to identify new species. There was, and I was trying to find the article, but there was a new index being made of animal calls that that are being examined by AI, so that, you know, there's, there would be an AI database that you could be like, Oh, I recorded this sound out in the jungle while I was looking

for This animal. And you could put in the approximate coordinates, put in the sound, and it will compare it to other animals from that area, you know, so that you could rapidly identify species, sonograms and things like that. Pretty, pretty remarkable technology to see AI being leveraged in that way and even equal. Even AI when it comes to examining DNA sets, that kind of stuff is pretty remarkable to consider. Yeah,



1:15:08

no, that's true. I



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guess I thought about in terms of some of the audio analysis, but the way you kind of presented a case there, in terms of, you know, being able to go through these databases, you got to be vast databases that, you know, they'll just be insurmountable in terms of trying to use that, but that is cool, you know, AI will certainly play a role as well, I'm sure, in terms of the analysis and being able to access all of that data in a much more efficient way than we've been able to so,



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oh yeah, yeah. And, I mean, you it could get down to literally identifying a leopard by his spots, right? With, with that, you know, like, that's, that's pretty remarkable to think about the, you know, you could actively live track animals and and track them down the trail and everything else, just by their actual print on their coat. Yeah, like it's like a walking barcode for critters. God, that's kind of creepy to think about the technology we do, we do, and that that is what's interesting. More than anything, Ken is finding new ways, once again, to apply this technology to this field. How important is it for people to properly be able to gather their evidence in the field? Ken not just not just a footprint, but how do they go about preserving something for investigation, you know?



1:16:43

Yeah, I mean, there's a little,



1:16:47

once again, we do



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the final class in my course. We do investigative techniques and research methods and things like that. Because I've been doing some research for a very long time. Christopher and still, you know, learning things continuously, just it's a very limited process. And unfortunately, a lot of

things are learned by making mistakes sometimes, but we, we kind of, but, yeah, you're right in terms of collecting physical evidence. Well, you know, just like we were talking about, you may not always have all if you're out in the middle of the wilderness. So sometimes you have to, as a field researcher, you've got to kind of have a pretty good working knowledge of, you know, animal sign, interpreting different types of animal sign, tracking, identifying resources and things like that, in order to, kind of like narrow down your search areas and things like that. In terms of evidence collection, you know, we were just talking about, I took an Edna sample from Loch Ness back in August and got brought it back to the States, and kind of went through that whole process of getting it analyzed. But I was at our event the other night, symposium to the strange I was talking to Dr Haskell Hart, the great Bigfoot DNA authority, and he came over, and I was telling him. I was like, Hey, man, I use that lab that you hooked me up with. And he's like, oh, did you get the preservative in there right away? No, I didn't. Okay. Next time, next time, I could have that preservative ready, because that keeps that DNA, you know, a lot longer, and so, you know, little, subtle things like that. Yeah, one simple thing we talk about, and this is, you know, maybe it's not a secret anymore in our field, but, you know, don't use plastic baggies. I mean, plastic baggies are horrible for any type of biological material that you're collecting, you know, cause it to entertain moisture and everything degrades much faster, or you've got so I mean, a paper envelope, a paper bag, something like that is all you need for hair, stat, you know, traces of tissue or whatever you find. I'm just trying to keep it, you know,



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soluble, until you can get it to



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a lab or someone you can look at it, and then I just don't know whatever you're doing. So, so, yeah, just little tricks like that. You know,



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scientific control



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to talk about science. That's, that's an aspect of the last talk about, you know, we've debunked colleagues and I have debunked many alleged films of cryptids just by trying to recreate them. And that's called Scientific control. And like, well, can this be done? You know, can we make something that big or look that, you know? And I'm, you know, obviously that was, it's been done for years. If you look at Tim Dinsdale, the famous Loch Ness researcher who got the footage back in April 23 1960 he filmed this hump swimming across Loch Ness. So he's getting about a minute of footage of a 16 millimeter Bolex film camera. He had probably telephone the lens and stuff, but it was still far away. He knew people were going to question the film right away. Okay? So he, pretty much, he spent no time whatsoever in hiring on a boat, a 14 foot skiff, and having a guy travel the boat along the exact same trajectory as that object in his film,

so that, you know, you had that, that comparison. Okay, yeah, you say it's a boat. Here's a boat. You know, that's what the boat would say. Well, the light would change a little bit. So there's still skeptics are still gonna say, Well anyways, it's just that whole principle of, you know, sometimes in order to discover something Christopher, you have to disprove something else first. So yes, that's very important in terms of the integrity of the field to kind of, you know, let's, let's explain away or expose all the hoaxes and kind of explain away all the misidentifications and things like that that muddy the waters, that way we can focus on the evidence that nobody can really explain. You know, that has potential. So,



1:20:50

yeah, yeah. And, and, you know, here I'm gonna play a video real quick and kind of narrate this for our listeners here. Here's a prime example. This is a video that I took if I were to post this on 90% of groups. What you're looking at is a multicolored orb slowly going from about 11 o'clock on the screen down to about three o'clock black in the center, flashing, pulsating colors, things like that, and I'll play it again. It's not that long. It's about 13 seconds. If I posted this with zero data behind it, zero data. Just took this video in my backyard. Um, that could be interpreted as 101 things. Ken, once you once you say, I took this video on this date. At this time, the object was about this high, off the horizon. Everything else, you can very rapidly decode the fact that that is the dog star Sirius, out of focus in my telescope, recorded specifically for this purpose, you know, not to troll people, but to show exactly how easy it is to show something that pops up on groups all the time that is utterly misinterpreted as something totally commonplace that you can replicate. You can, you can make that happen in a heartbeat. I could, I could repeat that process every single night with that so, yeah, now, now, does that mean that there aren't things out there in the sky? No. What that means is that now we have data that we can call from the data set, which only leaves the anomaly we're getting rid of known quantitatives, and at that point, it's really more important the data that you get rid of than the data that you keep, you know, and, and, And I think that is where a lot of people get kind of discouraged with some of these things. Ken, whether it be photographs, videos, things like that, we have a want of belief. We have a want of confirmation. I'm a I'm a believer's believer. But because of that, my realm of my realm of evidence has to be larger, you know, my my expectation for it has to be bigger and and much less circumstantial.



1:23:32

You know, love to see that, because we're enough to lay on our parade here this evening. But you know, that is the discouraging thing. And now, I guess it always has been, in terms of some of the fields that we're involved with, whether it's UFOs or paranormal, is that, you know, all of these concepts are so freaking cool that, of course, we all want our world to be populated by monsters and aliens and weird spirits and things, but, and they very well may be, but, you know, not everything that we see, you know, here in the woods or see in the sky or whatever, you know, we obviously a lot of that can easily be explained, or at least, you know, eventually be explained, if it's if there's not an immediate but just the fact that there are some things out there, and you know, you could cherry pick different pieces of evidence in it from any field, the Patterson Gimlin film, famous UFO, the Tick Tock video, yeah, tic tac. Well, yeah. I mean, you know some of those, it's like, okay, everyone's looked at it and no one knows.





1:24:49

And then there are some, like the one the go fast video, which was one of the first five released by the government, made it all the way. To the NASA panel, and then the first NASA panel, the scientist was literally like, I don't know why this made it this far. All of the information to do the trigonometry on this object is on the screen from the camera recording it. You've got the distance to the object, you've got the speed of the object, you've got the distance to the background. You have the altitude of what's filming it. And it came down to the fact that it was a 40 foot object going 40 miles an hour. So because it's in within the realm of known quantitative we can focus our efforts elsewhere, you know. And that was a great example of how, how something could even get that far in the process. Ken, you know,



1:25:43

that does happen, obviously, I guess. You know, as I said, these are emotionally charged endeavors that we're involved with here in terms of this type of evidence or these types of, yeah, different types of phenomenon. So, yeah, there's, you know, it's always going to be. The hardest thing is going to be to remain objective and look at it scientifically. But that's why, Christopher, I mean, I guess we're doing this kind of thing is we're, you know, we like to encourage people to kind of consider that the scientific process can be applied to this type of research, yeah, and it's a lot of it is just kind of an attitude in terms of, like, having things like peer review, you know, just pretty logical when you're trying to figure out, as you call it, a quantitative, you know, some things, okay, peer review, objectivity, critical thinking, analysis using the right kinds of equipment, you know, if you have access to those types of things. So there's always, if there's a will, there's a way, if you don't have access to a certain type of microscope, and you know, somebody you know does, or you know, there's a way to kind of incorporate all of that. So it's, I don't know, I just had a lot of fun with this stuff, I'm sure.



1:27:00

Because the beautiful thing about science Ken is, is that middle part. It's that middle part the hypothesis. You know where, where, after observation and after researching a topic, you get to hypothesize. And that is, is where the beauty of science is. That's where the Open Heart, the open mind, is necessary, because you've really got to, yes, be able to court all all concepts, you know, until proven otherwise. And that takes an open mind to do that, even as a scientist, to to say, okay, maybe there is something unquantifiable here that we can't figure out and and that's where Magellan comes in. You know, of oh, well, I guess there's a horizon line. Let's find out what's beyond it. You know, we need those people. We need people like yourself, like Lyle blackburns, who were out there exploring this literal divide within a community of science.



1:28:06

Yeah, and you know, one of the animal discoveries I talk about in my first class is the area Mote cat, or yamaneco, which is a granite a house size, house cat sized cat, but it's a wild cat, or species that wasn't discovered until 1975 it lives on an isolated involved in isolation on this island off the coast of Japan. It's the most primitive cat on the planet in terms of its features. So it's a very ancient type of cat. Even though it's small, there's only about 150 of these things left, as far as we know. It wasn't discovered by a scientist, Christopher, it was a layman, yeah,

it was a guy in Japan named Yukio Tagawa who was an author and wrote books about animals and other topics that he found interesting. And he heard about this legend of this cat on this island. He went searched for 1975 and he discovered it. There wasn't a zoologist, it wasn't a research it was just a guy that had some initiative and was open minded enough and passionate enough to undertake this and to go, you know, discover this, this new cat species. So there's, there's a message, there's an opportunity there for Layman and citizen scientists out there to, you know, kind of become involved in these, in these types of proceeds,



1:29:24

yeah, no, I mean that that's what I've been talking on. Shows more and more about with curious research is the idea of citizen scientists. You know, most people think that 90% of science is done by people in labs. You know, once again, it starts with observation like the example I typically give is asteroids, comets. Those are typically discovered by people like me who have telescopes and time in their backyard. And they're they're shooting their favorite object night after night after night after night, and they notice, like, hey, this. Tiny little thing moved between these nights, what's up with that? And then they send it to somebody. And when they have time, they turn their very expensive telescope that's tasked for very specific things to that, and then they tell somebody else, and it goes down the chain, and they repeat it, and they go, Wow, this is cool. What would you like to name that backyard astronomer? And then we get to name things, and it's pretty cool. You know, even euperite. We had the guy that discovered you per lights right right here in America on the show, and he got to name the mineral, you know, it's, it's pretty cool, the fact that we can participate in science,