

**From:** Robert Kuhn <[REDACTED]>

**To:** "jeffrey E." <jeevacation@gmail.com>

**Subject:** Revised Episodes 2 - Radical Breakthroughs - Closer To Truth - Kuhn

**Date:** Sun, 21 Jan 2018 14:09:06 +0000

**Attachments:** Radical\_Breakthroughs\_-\_Episodes\_Revision\_-\_2018.1.21A.docx

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Great! Done! See attached and below (same) for final 13.

The new episode:

***How do Biotics Affect Mental Capacity?***

*How nootropics, stimulants, psychotomimetics, antibiotics work in the brain*

I've also rearranged a bit for a more logical flow - required with the three cuts and the new topic .

Please take a final quick read (minor tweaks). Once you sign off, we will revise the pre-production book and include links (videos/YouTube where available) to all the possible interviewees (many more than we will actually conduct and use, so you and we can do an initial assessment and selection).

Looking forward and much appreciate.

**RADICAL BREAKTHROUGHS - Episodes Revision – 2018.01.21A**

**Closer To Truth Episodes – Revised Topics & Titles:**

Each episode seeks to probe the nature of reality and/or human sentience. (Episode topics and content need further development and will be modified during production.)

**1. What are Radical Breakthroughs?**

How is “current belief” challenged in science? How do “paradigms” work? Is science ever relative, conditioned by conventional wisdom or prevailing culture? Series intro, includes the most compelling, startling ideas, both as a tease and in exemplifying the meaning of Radical Breakthroughs. This will be the episode we will promote.

**2. How is Mathematics Truth?**

Math relies on truth. Overview - excitement, scope, meaning & foundations of math.

**3. What are Breakthroughs in Mathematics?**

Several math fields/sub-fields – fascinating, surprising, radical (comprehensible)

**4. Why the ‘Unreasonable Effectiveness of Mathematics’?**

How math explains physics, chemistry, biology, psychology, economics, sociology

**5. How do Probability and Power Laws Predict?**

Why probability not intuitive? Why power laws work? Deep meaning?

**6. Can Mathematics Explain Biology?**

Now includes ‘replicability crisis’ (in addition to what’s in the preproduction book)

**7. Can Mathematics Elucidate Evolution?**

## 8. Why is Deception Common?

Biology relies on deception

## 9. Why are Plants Strange?

## 10. How do Biotics Affect Mental Capacity?

How nootropics, stimulants, psychotomimetics, antibiotics work in the brain

## 11. Can Music Probe Mentality? (cognition / emotion)

How music gives insight into the brain that produces it

## 12. What do Dreams Reveal?

Do we dream all day?

## 13. What is ‘Strong Emergence’?

Can all, ultimately, be explained in terms of physics? Or are there higher-level laws that are in principle impossible to predict, even from complete lower-level information?

On Jan 21, 2018, at 6:52 PM, jeffrey E. <[jeevacation@gmail.com](mailto:jeevacation@gmail.com)> wrote:

**cut 11 12 and 13. add , anti biotics and their cognitive impacts.**

On Sun, Jan 21, 2018 at 4:02 AM, Robert Kuhn <[REDACTED]> wrote:

Probative. Provocative. That’s what we want.

I’ve incorporated each of your probative-provocative phrases into the existing structure (see below and attached, same). All fit naturally except for probability - so I enlarged the Power Laws episode to include probability (the episode was anyway a bit thin). I think this works well, given the new unifying theme of “prediction” - How do Probability and Power Laws Predict?” Now a stronger episode.

We still need to cut two episodes, reduce the 15 to 13 (a full ‘season’ is 13). If you have strong feelings which 2 to cut - or a gut instinct - please advise. I’m happy with any 13 of the 15.

Alternatively, I can make the final cut, but I need one decision from you - Do you want to include the episode dedicated to your evolutionary dynamics program at Harvard?

Finally, anything else to add?

Exciting stuff.

Robert

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Radical Breakthroughs. This will be the episode we will promote and it will be the episode reviewed. Each episode seeks to probe the nature of reality and/or human sentience. (Episode topics and content need further development and will be modified during production.) CUT Two (2) Episodes.

1. What are Radical Breakthroughs?

How is “current belief” challenged in science? Does a challenge or change in physics differ from, say, a challenge or change in psychology? How do “paradigms” work? Is science ever relative, conditioned by conventional wisdom or the prevailing culture? We examine challenges to ‘current belief’.

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Biology relies on deception

10. Can Mathematics Explain Evolution?

Evolutionary Dynamics - Epstein program at Harvard. Not my expertise, but could well fit CTT in general and Radical Breakthroughs in particular. Would you like to include?

11. What are ‘Predictive Brains’ & ‘Extended Minds’?

How do brains represent world? How do brains rely on world they represent? ‘Enlarging the mind’ affects being human? Do we talk to ourselves using an encrypted signal?

12. Can ‘Integrated Information Theory’ Explain Consciousness?

Quantifying and explaining consciousness (Giulio Tononi, Un of Wisconsin-Madison), plus supporters and critics. Radical, controversial, science-based theory.

13. Does ‘Top-Down Causation’ Make Sense?

How does our mental life affect our physical world? By what mechanisms? When we have self-organizing systems, can explanations flow from the complex to the simple?

14. Can Music Probe Mentality? (cognition / emotion)

How music gives insight into the brain that produces it

15. What do Dreams Reveal?

Do we dream all day?

On Jan 21, 2018, at 1:52 AM, jeffrey E. <[jeevacation@gmail.com](mailto:jeevacation@gmail.com)> wrote:

do we dream all day ,  
can we use music as an insight into the brain that produced it  
mathematics relies on truth , biology relies on deception  
probability and why it is not intuitive  
do we talk to ourselves using an encrypted signal

On Sat, Jan 20, 2018 at 10:34 AM, Robert Kuhn <[REDACTED]> wrote:  
Appreciate. Happy Birthday!

On Jan 20, 2018, at 6:18 PM, jeffrey E. <[jeevacation@gmail.com](mailto:jeevacation@gmail.com)> wrote:

i will review, , this week has been hectic , today birthday sorry for delay

On Sat, Jan 20, 2018 at 4:07 AM, Robert Kuhn <[REDACTED]> wrote:  
Jeffrey:

Hi from Beijing. Our team is anxious to begin compiling links to videos of all the suggested interviewees, but prior we'd like you to decide which 13 shows to do (out of the 15) in the new structure.

We can Skype (short) so you can select the 13 shows? East coast mornings, my nights.

Alternatively, you can just tell me which 2 of the 15 episodes to cut - again attached and below (same) - and we'll begin getting the links.

All are enthusiastic to go into production.

Warm regards,

Robert

**RADICAL BREAKTHROUGHS - Episodes Revision – 2018.01.06**

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Overview of math - excitement, scope, meaning and foundations of mathematics.

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14. Can Music Probe Mentality? (cognition / emotion)

15. What do Dreams Reveal?

Begin forwarded message:

From: Robert Lawrence Kuhn <[REDACTED]>

Subject: Revised Episodes - Radical Breakthroughs - Closer To Truth - Kuhn

Date: January 8, 2018 at 5:58:36 AM GMT+8

To: "jeffrey E." <jeevacation@gmail.com>

Jeffrey:

Since our productive call, I've given a good deal of thought to the series and the 13 episodes. I now have 15 episodes, adding several new ones (while cutting several old ones), using the test of 'breakthrough'.

As we discussed, the first thing we must do is to finalize the 13 episodes.

Once we finalize the 13 episodes, then our CTT team will go through and include links to every expert in every episode (as you requested), prioritizing videos (Youtube, etc). This will be part of the revised, complete Radical Breakthroughs preproduction book.

Attached are my episode recommendations. As you see, I've added a series intro/overview; it will include the most compelling, startling ideas of the whole series, both as a tease and in exemplifying the deep meaning of Radical Breakthroughs. This will be the episode we will promote and it will be the episode reviewed.

There are 15 episodes on the list, which means that we need to cut two. For each of the episodes I put a one or two line description - except for the episodes that you suggested. Note that I added an episode on your Evolutionary Dynamics program at Harvard, if you want to include.

I've rewritten the title of each episode as a question, closer to the actual format (though they will still evolve as we get into details).

So we need to get to 13 episodes by cutting 2 of the 15, and you need to sign off on the 13. Then we will go to work getting all the links.

If you want a short Skype to discuss, I'm 13 hours ahead in China, so your mornings (mystery nights) best.

Please confirm receipt.

Looking forward and warm regards,

Robert

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please note

The information contained in this communication is confidential, may be attorney-client privileged, may constitute inside information, and is intended only for the use of the addressee. It is the property of JEE

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