

1  
00:00:00,760 --> 00:00:04,110  
[Applause]

2  
00:00:01,070 --> 00:00:06,870  
please notice that I raised this in

3  
00:00:04,110 --> 00:00:11,010  
terms of a question so I'm not claiming

4  
00:00:06,870 --> 00:00:12,690  
that it is that it can be I'm coming at

5  
00:00:11,009 --> 00:00:15,599  
this and continuing my research

6  
00:00:12,689 --> 00:00:18,118  
skeptically I'd actually like to rename

7  
00:00:15,599 --> 00:00:21,240  
this the skeptical Society of scientific

8  
00:00:18,118 --> 00:00:24,059  
exploration I've given talks at skeptic

9  
00:00:21,239 --> 00:00:27,179  
societies they're really fun because I

10  
00:00:24,059 --> 00:00:31,678  
always begin by insulting them and they

11  
00:00:27,179 --> 00:00:34,200  
sit like this and and then I say I'm the

12  
00:00:31,678 --> 00:00:36,030  
only skeptic in the room and they go

13  
00:00:34,200 --> 00:00:37,260  
nowhere the skeptic Society and I said

14  
00:00:36,030 --> 00:00:42,929  
no you're not you're a bunch of mindless

15  
00:00:37,259 --> 00:00:47,939  
believers you believe everything I

16  
00:00:42,929 --> 00:00:50,909  
haven't yet said is wrong and so I

17  
00:00:47,939 --> 00:00:53,039  
encourage us be careful what you believe

18  
00:00:50,909 --> 00:00:54,718  
in because I'm sure all of our beliefs

19  
00:00:53,039 --> 00:00:56,520  
will eventually be shown to be wrong

20  
00:00:54,719 --> 00:01:01,050  
so I phrase this in the form of a

21  
00:00:56,520 --> 00:01:03,000  
question and it has to do with my my

22  
00:01:01,049 --> 00:01:07,739  
healing research and as some of you know

23  
00:01:03,000 --> 00:01:09,780  
I have a reasonably extensive research

24  
00:01:07,739 --> 00:01:12,899  
agenda that has to do with a lot of

25  
00:01:09,780 --> 00:01:14,549  
different elements of healing and the

26  
00:01:12,900 --> 00:01:17,430  
one I'm going to focus on today is the

27  
00:01:14,549 --> 00:01:20,280  
last bullet point can we develop

28  
00:01:17,430 --> 00:01:21,930  
practical applications of healing so it

29

00:01:20,280 --> 00:01:23,820  
would be very nice if we could get to

30  
00:01:21,930 --> 00:01:26,868  
the bottom of it to get the answer all

31  
00:01:23,819 --> 00:01:29,519  
the basic science research questions but

32  
00:01:26,868 --> 00:01:32,159  
I've been doing this for 80 years I'm

33  
00:01:29,519 --> 00:01:34,649  
gonna do it another 50 or so but I don't

34  
00:01:32,159 --> 00:01:36,390  
know that I'm I'm gonna get to really

35  
00:01:34,650 --> 00:01:38,520  
the answer so the question is right now

36  
00:01:36,390 --> 00:01:40,409  
is can I engineer something out of it

37  
00:01:38,519 --> 00:01:42,750  
and that's going to be the research

38  
00:01:40,409 --> 00:01:45,540  
going forward in the next few months the

39  
00:01:42,750 --> 00:01:47,430  
mother lode that I'd really like is the

40  
00:01:45,540 --> 00:01:49,618  
development of a theoretical model but

41  
00:01:47,430 --> 00:01:51,868  
that's not on the immediate horizon so

42  
00:01:49,618 --> 00:01:53,759  
right now the question is can we develop

43  
00:01:51,868 --> 00:01:56,069

a practical application can we capture

44

00:01:53,759 --> 00:01:58,170

the healing can we reproduce it can we

45

00:01:56,069 --> 00:01:59,879

turn it into in essence a conventional

46

00:01:58,170 --> 00:02:04,349

therapy but that's really the bottom

47

00:01:59,879 --> 00:02:06,780

line and what I'm gonna focus on

48

00:02:04,349 --> 00:02:09,389

skeptically is even looking at my past

49

00:02:06,780 --> 00:02:09,689

data some of you aware some of it but

50

00:02:09,389 --> 00:02:12,359

looking

51

00:02:09,689 --> 00:02:14,490

my past data it indicates if you look

52

00:02:12,360 --> 00:02:16,050

through a particular prism that yes you

53

00:02:14,490 --> 00:02:18,930

can capture it but if you look through a

54

00:02:16,050 --> 00:02:21,750

different skeptical prism it shows that

55

00:02:18,930 --> 00:02:23,700

I haven't yet made the case so I'd like

56

00:02:21,750 --> 00:02:25,379

to say I've made the case but I whenever

57

00:02:23,699 --> 00:02:29,099

I say something I try to talk myself out

58  
00:02:25,379 --> 00:02:31,229  
of it because I'm not a believer so I'm

59  
00:02:29,099 --> 00:02:33,960  
gonna focus on cancer experiments and

60  
00:02:31,229 --> 00:02:37,019  
I've done a lot of them these are ugly

61  
00:02:33,960 --> 00:02:39,930  
experiments they're on animals and this

62  
00:02:37,020 --> 00:02:42,659  
is the with a particular form of cancer

63  
00:02:39,930 --> 00:02:45,210  
this is the number of experiments on at

64  
00:02:42,659 --> 00:02:47,609  
the various places so two experiments at

65  
00:02:45,210 --> 00:02:50,219  
City University of New York - one three

66  
00:02:47,610 --> 00:02:52,200  
like that and so there have been there

67  
00:02:50,219 --> 00:02:55,349  
I've done a lot of experiments so I am

68  
00:02:52,199 --> 00:02:57,239  
an I'm a data freak I'm gonna follow the

69  
00:02:55,349 --> 00:02:59,400  
data that data takes me on particularly

70  
00:02:57,240 --> 00:03:01,080  
winding roads and and so I'm going to be

71  
00:02:59,400 --> 00:03:05,219  
drawing on some only some of these

72  
00:03:01,080 --> 00:03:07,680  
there's much more oncogenic mice nude

73  
00:03:05,219 --> 00:03:10,020  
mice and we just keep going so I got a a

74  
00:03:07,680 --> 00:03:11,790  
selection of this to try to ask the

75  
00:03:10,020 --> 00:03:16,530  
question can we really store it and use

76  
00:03:11,789 --> 00:03:18,959  
it focus on a couple of examples here a

77  
00:03:16,530 --> 00:03:20,879  
mammary cancer the thing that matters is

78  
00:03:18,959 --> 00:03:23,759  
we have a hundred percent death in about

79  
00:03:20,879 --> 00:03:25,620  
a month once you inject these mice with

80  
00:03:23,759 --> 00:03:27,870  
cancer they're going to be dead in a

81  
00:03:25,620 --> 00:03:29,870  
month 100% of time there's thousands of

82  
00:03:27,870 --> 00:03:32,610  
published experiments on these mice so

83  
00:03:29,870 --> 00:03:35,039  
the the particular forms of cancer I'm

84  
00:03:32,610 --> 00:03:37,290  
going to show you are all non metastatic

85  
00:03:35,039 --> 00:03:39,179  
their external you can measure them you

86

00:03:37,289 --> 00:03:40,620  
can see them but you don't have to go

87  
00:03:39,180 --> 00:03:44,189  
through blood tests and things along

88  
00:03:40,620 --> 00:03:46,650  
those lines so you have a mouse which

89  
00:03:44,189 --> 00:03:49,199  
the the tumor simply grows and it grows

90  
00:03:46,650 --> 00:03:51,780  
and it grows and the mouse dies in one

91  
00:03:49,199 --> 00:03:53,509  
of two ways the internal organs are

92  
00:03:51,780 --> 00:03:56,459  
crushed and or it dies of malnutrition

93  
00:03:53,509 --> 00:04:00,149  
you don't need to be a biologist to see

94  
00:03:56,459 --> 00:04:02,159  
this is the tumor this is not a good

95  
00:04:00,150 --> 00:04:04,709  
mouse so this is a mouse in quite a

96  
00:04:02,159 --> 00:04:07,019  
great deal of trouble and they all

97  
00:04:04,709 --> 00:04:11,150  
essentially die this way so what we do

98  
00:04:07,019 --> 00:04:11,150  
is we take very very good-looking people

99  
00:04:11,419 --> 00:04:16,449  
who put their hands around the cage and

100  
00:04:14,389 --> 00:04:19,159

I'm using only pictures of myself

101

00:04:16,449 --> 00:04:21,979

because to protect the innocent but I

102

00:04:19,160 --> 00:04:23,810

use faculty member I use students I've

103

00:04:21,980 --> 00:04:26,960

never used a believer an interesting

104

00:04:23,810 --> 00:04:28,519

question is can a believer heal I don't

105

00:04:26,959 --> 00:04:30,409

know I can tell you non-believers can

106

00:04:28,519 --> 00:04:32,000

heal I don't know whether believers can

107

00:04:30,410 --> 00:04:34,189

heal so we did we put our hands around

108

00:04:32,000 --> 00:04:35,750

these cages and we do a technique that

109

00:04:34,189 --> 00:04:38,930

I'm not going to describe here but it

110

00:04:35,750 --> 00:04:42,529

involves very rapid imaging and when you

111

00:04:38,930 --> 00:04:46,370

do this what happens is the tumor grows

112

00:04:42,529 --> 00:04:49,279

anyway which is not what I want so this

113

00:04:46,370 --> 00:04:51,470

is not a psychokinetic effect this is

114

00:04:49,279 --> 00:04:54,529

not me controlling nature by the force

115  
00:04:51,470 --> 00:04:57,580  
of my will this is nature does what it

116  
00:04:54,529 --> 00:05:02,529  
does as a consequence of doing this and

117  
00:04:57,579 --> 00:05:07,579  
so the tumor gets to a particular size

118  
00:05:02,529 --> 00:05:10,219  
it also rates slits open also rates and

119  
00:05:07,579 --> 00:05:13,839  
if I keep looking at this you'll see it

120  
00:05:10,220 --> 00:05:15,620  
implode and the mice are cured for life

121  
00:05:13,839 --> 00:05:17,509  
now that's interesting

122  
00:05:15,620 --> 00:05:19,879  
and one of the things I'll talk about

123  
00:05:17,509 --> 00:05:21,439  
here for example is not only the mice

124  
00:05:19,879 --> 00:05:22,759  
cured for life and we carry them for

125  
00:05:21,439 --> 00:05:24,800  
their entire lifespan and we've done a

126  
00:05:22,759 --> 00:05:27,050  
bunch of these things but if you reject

127  
00:05:24,800 --> 00:05:30,079  
them they're immune to cancer for the

128  
00:05:27,050 --> 00:05:34,129  
rest of their life can we engineer that

129  
00:05:30,079 --> 00:05:35,779  
into a conventional therapy this is a

130  
00:05:34,129 --> 00:05:39,259  
different kind of cancer slightly less

131  
00:05:35,779 --> 00:05:42,259  
aggressive same thing Don metastatic the

132  
00:05:39,259 --> 00:05:46,099  
thing grows it grows it grows and if you

133  
00:05:42,259 --> 00:05:49,668  
treat then a couple of this particular

134  
00:05:46,100 --> 00:05:51,560  
form of cancer gets cured in different

135  
00:05:49,668 --> 00:05:53,659  
ways though the mammary cancer you just

136  
00:05:51,560 --> 00:05:56,120  
saw and all of them go through the same

137  
00:05:53,660 --> 00:05:57,710  
process in this particular one they go

138  
00:05:56,120 --> 00:06:00,590  
through two different types of processes

139  
00:05:57,709 --> 00:06:02,000  
one there's a tumor and then you come in

140  
00:06:00,589 --> 00:06:04,699  
the next day and it's like somebody let

141  
00:06:02,000 --> 00:06:05,810  
the air out and then the most

142  
00:06:04,699 --> 00:06:07,399  
interesting thing is two mice

143

00:06:05,810 --> 00:06:08,899  
mysteriously grow an arrow on their

144  
00:06:07,399 --> 00:06:11,478  
backs we don't know why that happens and

145  
00:06:08,899 --> 00:06:14,239  
the second way is similar to the mammary

146  
00:06:11,478 --> 00:06:17,418  
where you get this ulceration and then

147  
00:06:14,240 --> 00:06:19,848  
you get the implosion and so different

148  
00:06:17,418 --> 00:06:22,129  
cancers have different possibilities on

149  
00:06:19,848 --> 00:06:23,360  
route to being cured once again this is

150  
00:06:22,129 --> 00:06:25,009  
not a psychokinetic

151  
00:06:23,360 --> 00:06:27,288  
it's not happening because this is the

152  
00:06:25,009 --> 00:06:29,750  
thing we want to happen it's happening

153  
00:06:27,288 --> 00:06:33,438  
and we're simply following what what

154  
00:06:29,750 --> 00:06:35,029  
nature is doing and you can tell once

155  
00:06:33,439 --> 00:06:36,710  
the thing is cured it's like it never

156  
00:06:35,029 --> 00:06:38,809  
had it you can't find cancer in the

157  
00:06:36,709 --> 00:06:40,698

animal for the rest of its lifespan so

158

00:06:38,810 --> 00:06:43,579

it's a reasonably interesting phenomenon

159

00:06:40,699 --> 00:06:44,419

we of course done this on people not

160

00:06:43,579 --> 00:06:45,978

like John

161

00:06:44,418 --> 00:06:47,060

well actually we did start with people

162

00:06:45,978 --> 00:06:49,399

and we went into the lab and then we

163

00:06:47,060 --> 00:06:51,889

came back to people it's it's much

164

00:06:49,399 --> 00:06:52,638

harder on people because well first of

165

00:06:51,889 --> 00:06:56,960

all it's hard to get a middle little

166

00:06:52,639 --> 00:06:58,550

cages but but secondly it's it's there

167

00:06:56,959 --> 00:07:00,500

are too many complications in clinical

168

00:06:58,550 --> 00:07:01,759

work so what did they eat what are they

169

00:07:00,500 --> 00:07:04,069

what are they what did they you don't

170

00:07:01,759 --> 00:07:07,129

know and so clinical stuff is pretty

171

00:07:04,069 --> 00:07:09,319

complicated but this is six weeks apart

172  
00:07:07,129 --> 00:07:10,789  
roughly and they're processing things

173  
00:07:09,319 --> 00:07:13,189  
you don't want to see things you do want

174  
00:07:10,788 --> 00:07:15,860  
to see and again it's a process of going

175  
00:07:13,189 --> 00:07:18,590  
into cure and you can measure this these

176  
00:07:15,860 --> 00:07:20,538  
are week look week different images we

177  
00:07:18,589 --> 00:07:23,119  
can do it by blood tests we can do it by

178  
00:07:20,538 --> 00:07:24,769  
MRIs we can do it by we can do it by we

179  
00:07:23,120 --> 00:07:27,199  
can do it by there's a process each

180  
00:07:24,769 --> 00:07:31,758  
cancer seems to take on its own

181  
00:07:27,199 --> 00:07:33,560  
particular form of going to cure so this

182  
00:07:31,759 --> 00:07:35,930  
is an interesting observation which has

183  
00:07:33,560 --> 00:07:39,259  
to do whether you're dealing with people

184  
00:07:35,930 --> 00:07:43,418  
whether you dealing with mice this is

185  
00:07:39,259 --> 00:07:47,810  
not linear you don't have okay here's X

186  
00:07:43,418 --> 00:07:50,448  
produces Y X produces Y each treatment

187  
00:07:47,810 --> 00:07:52,759  
does and it doesn't progress in a linear

188  
00:07:50,449 --> 00:07:56,028  
fashion at all sometimes nothing happens

189  
00:07:52,759 --> 00:07:58,158  
for a long time but in all cases Animal

190  
00:07:56,028 --> 00:08:01,129  
Vegetable in human the stuff seems to

191  
00:07:58,158 --> 00:08:03,158  
occur in sudden bursts phase transitions

192  
00:08:01,129 --> 00:08:06,139  
we're not sure how to think about this

193  
00:08:03,158 --> 00:08:08,870  
so here's a wonderful picture frankly

194  
00:08:06,139 --> 00:08:11,538  
here's a an ulceration not quite as big

195  
00:08:08,870 --> 00:08:13,069  
as the last one that you saw and you see

196  
00:08:11,538 --> 00:08:15,588  
the ulceration what I want to point out

197  
00:08:13,069 --> 00:08:18,229  
is this is day 22 which means it's 22

198  
00:08:15,588 --> 00:08:19,639  
days subsequent to injection I'm going

199  
00:08:18,228 --> 00:08:21,908  
to show you the same mouse six days

200

00:08:19,639 --> 00:08:21,908  
later

201  
00:08:23,490 --> 00:08:28,960  
and I think of John's pictures of the

202  
00:08:26,649 --> 00:08:30,789  
person and so this is again I can't help

203  
00:08:28,959 --> 00:08:32,799  
it because it's so incredible it still

204  
00:08:30,790 --> 00:08:35,649  
freaks me out this is the biologist

205  
00:08:32,799 --> 00:08:37,539  
pulling back the fur to see where it was

206  
00:08:35,649 --> 00:08:39,939  
but if they're not pulling back the

207  
00:08:37,539 --> 00:08:42,069  
firts like it never had it so there's no

208  
00:08:39,940 --> 00:08:45,790  
cancer in this animal anymore and it

209  
00:08:42,070 --> 00:08:47,950  
happens in sudden bursts so some

210  
00:08:45,789 --> 00:08:50,079  
interesting observations one York

211  
00:08:47,950 --> 00:08:53,170  
doesn't want a petrified banana Niram

212  
00:08:50,080 --> 00:08:54,550  
but but the second thing is no mouse has

213  
00:08:53,169 --> 00:08:56,469  
and we have hundreds and hundreds of

214  
00:08:54,549 --> 00:08:58,689

mice no mouse has ever had a recurrence

215

00:08:56,470 --> 00:09:01,660

of cancer they're immune to repeated

216

00:08:58,690 --> 00:09:02,710

reinjection to the cancer and now we

217

00:09:01,659 --> 00:09:05,469

start to get into some pretty

218

00:09:02,710 --> 00:09:08,740

interesting things an infected mouse can

219

00:09:05,470 --> 00:09:12,820

be cured by cell transplantation of a

220

00:09:08,740 --> 00:09:15,549

treated mouse can we engineer something

221

00:09:12,820 --> 00:09:20,400

from this the cell line will no longer

222

00:09:15,549 --> 00:09:23,319

seed forward now I'm speculating here

223

00:09:20,399 --> 00:09:25,870

maybe there's an immune factor that can

224

00:09:23,320 --> 00:09:28,180

be transferred I'm not close to

225

00:09:25,870 --> 00:09:30,659

answering that question but watch this

226

00:09:28,179 --> 00:09:35,769

this is pretty interesting so here's a

227

00:09:30,659 --> 00:09:39,459

stupid animation you have this mouse has

228

00:09:35,769 --> 00:09:41,259

been treated by hands on it's not cured

229  
00:09:39,460 --> 00:09:45,550  
it's still got ulcerations it's pretty

230  
00:09:41,259 --> 00:09:49,210  
ugly this mouse has not been treated by

231  
00:09:45,549 --> 00:09:51,250  
hands on and it has a tumor this one is

232  
00:09:49,210 --> 00:09:54,850  
ulcerated so it's got the ugly looking

233  
00:09:51,250 --> 00:09:57,129  
thing this one just has the tumor that

234  
00:09:54,850 --> 00:10:00,700  
you saw that just keeps growing and so

235  
00:09:57,129 --> 00:10:02,769  
we take some cells and we plot them into

236  
00:10:00,700 --> 00:10:06,840  
this there's no healing going on now so

237  
00:10:02,769 --> 00:10:11,199  
this mouse has never met a healer and

238  
00:10:06,840 --> 00:10:16,930  
they're both cured now that's pretty

239  
00:10:11,200 --> 00:10:19,450  
interesting hopefully once we treat a

240  
00:10:16,929 --> 00:10:21,309  
cell line or we treat a bunch of mice

241  
00:10:19,450 --> 00:10:22,870  
you get a bunch of mice they grow tumors

242  
00:10:21,309 --> 00:10:25,209  
you take cells you see the next

243  
00:10:22,870 --> 00:10:27,789  
generation you see the next generate the

244  
00:10:25,210 --> 00:10:28,740  
cell line going the cell line won't go

245  
00:10:27,789 --> 00:10:32,589  
forward anymore

246  
00:10:28,740 --> 00:10:34,730  
you can't see the next generation that's

247  
00:10:32,590 --> 00:10:39,899  
reasonably interesting

248  
00:10:34,730 --> 00:10:42,570  
so what happens if you treat stuff so

249  
00:10:39,899 --> 00:10:45,059  
here's an example of an experiment done

250  
00:10:42,570 --> 00:10:46,680  
at UC San Diego who treated cell medium

251  
00:10:45,059 --> 00:10:48,299  
and then I am talking about treated

252  
00:10:46,679 --> 00:10:51,109  
water that was done at University

253  
00:10:48,299 --> 00:10:54,559  
Connecticut but the treated cell medium

254  
00:10:51,110 --> 00:10:56,930  
were taking ordinary off-the-shelf stuff

255  
00:10:54,559 --> 00:11:00,119  
nutrients that cells are grown in and

256  
00:10:56,929 --> 00:11:01,409  
you treat them so Nana you don't put

257

00:11:00,120 --> 00:11:02,580  
them in a cage you just put them there

258  
00:11:01,409 --> 00:11:04,528  
and you're putting your hands around the

259  
00:11:02,580 --> 00:11:06,899  
thing and you're doing the the technique

260  
00:11:04,528 --> 00:11:10,740  
and such and then you grow cells in the

261  
00:11:06,899 --> 00:11:15,480  
medium and it turns out at San Diego

262  
00:11:10,740 --> 00:11:18,180  
anyway growing the cells this is the

263  
00:11:15,480 --> 00:11:20,639  
control number of cells and this is the

264  
00:11:18,179 --> 00:11:22,799  
treated stuff you don't need to do

265  
00:11:20,639 --> 00:11:24,929  
statistical stuff on this so the minimum

266  
00:11:22,799 --> 00:11:29,490  
growth rate increase growth rate

267  
00:11:24,929 --> 00:11:31,500  
increase in the cancer 600 percent so

268  
00:11:29,490 --> 00:11:33,990  
the cancer in the first week this is at

269  
00:11:31,500 --> 00:11:35,669  
UC San Diego moves along nothing's going

270  
00:11:33,990 --> 00:11:37,379  
on nothing's going on nothing's going on

271  
00:11:35,669 --> 00:11:42,750

think phase transition it suddenly

272

00:11:37,379 --> 00:11:46,769

explodes and the cancer goes wild eight

273

00:11:42,750 --> 00:11:50,399

two techs in the lab I'm not allowed

274

00:11:46,769 --> 00:11:52,379

back in San Diego now that's interesting

275

00:11:50,399 --> 00:11:55,019

this actually was according to what I

276

00:11:52,379 --> 00:11:58,409

expected in the sense that I don't think

277

00:11:55,019 --> 00:12:01,169

healing is stuff that's static in any

278

00:11:58,409 --> 00:12:03,600

way I think healing is occurs as a

279

00:12:01,169 --> 00:12:06,299

response to need what does a cancer cell

280

00:12:03,600 --> 00:12:09,450

need in a dish what does cancer like to

281

00:12:06,299 --> 00:12:10,859

do it likes to grow if you put that

282

00:12:09,450 --> 00:12:13,770

cancer in the mouse it doesn't like to

283

00:12:10,860 --> 00:12:16,320

grow I think if we took we haven't done

284

00:12:13,769 --> 00:12:18,620

this if we took supercharged cells and

285

00:12:16,320 --> 00:12:21,709

stuck them in a mouse it would implode

286  
00:12:18,620 --> 00:12:25,278  
don't know speculation we got to do this

287  
00:12:21,708 --> 00:12:27,359  
replicated this once John I just left me

288  
00:12:25,278 --> 00:12:29,100  
didn't get didn't get a similar effect

289  
00:12:27,360 --> 00:12:31,079  
don't know if we were doing exactly the

290  
00:12:29,100 --> 00:12:34,230  
same thing but it's it's an interesting

291  
00:12:31,078 --> 00:12:35,789  
phenomenon treated water bottles so

292  
00:12:34,230 --> 00:12:37,740  
again you don't meet the mice you're

293  
00:12:35,789 --> 00:12:42,000  
treating putting your hands around water

294  
00:12:37,740 --> 00:12:45,480  
which is fed to the mice mice or

295  
00:12:42,000 --> 00:12:50,679  
someplace else cured

296  
00:12:45,480 --> 00:12:53,680  
now what does that mean well recapping

297  
00:12:50,679 --> 00:12:55,599  
the top stories an infected mouse can be

298  
00:12:53,679 --> 00:12:58,028  
cured by cell transplantation from a

299  
00:12:55,600 --> 00:12:59,680  
treated Mouse pretty interesting the

300  
00:12:58,028 --> 00:13:01,990  
treatment of mice will interfere with

301  
00:12:59,679 --> 00:13:04,958  
the ability of the cell line to seed

302  
00:13:01,990 --> 00:13:06,610  
forward reasonably interesting treatment

303  
00:13:04,958 --> 00:13:10,119  
of the cell medium will affect growth

304  
00:13:06,610 --> 00:13:14,528  
and mice drinking treated water will be

305  
00:13:10,120 --> 00:13:16,720  
cured so now think like an engineer till

306  
00:13:14,528 --> 00:13:18,578  
we build something from that well it

307  
00:13:16,720 --> 00:13:20,560  
would all evidence is pointing in that

308  
00:13:18,578 --> 00:13:22,208  
direction but again you're looking at a

309  
00:13:20,559 --> 00:13:25,778  
skeptic let's see if we can talk

310  
00:13:22,208 --> 00:13:28,448  
ourselves out of that sold the but and

311  
00:13:25,778 --> 00:13:31,299  
here's the but there's we seem to have

312  
00:13:28,448 --> 00:13:33,698  
this strange phenomenon of resin and

313  
00:13:31,299 --> 00:13:36,458  
bonding which occurs and this is

314

00:13:33,698 --> 00:13:39,099  
experimentally annoying but clinically

315  
00:13:36,458 --> 00:13:41,138  
and and also experimentally interesting

316  
00:13:39,100 --> 00:13:43,389  
and may lead to a new way of thinking

317  
00:13:41,139 --> 00:13:46,570  
about how experiments work in the

318  
00:13:43,389 --> 00:13:49,389  
parameters under which they work so

319  
00:13:46,570 --> 00:13:52,120  
here's the problem in healing

320  
00:13:49,389 --> 00:13:54,610  
experiments the experimental and control

321  
00:13:52,120 --> 00:13:58,299  
groups seem to become and I'm using it

322  
00:13:54,610 --> 00:14:01,539  
loosely entangled so we normally go

323  
00:13:58,299 --> 00:14:03,789  
through life and I get a bunch of mice

324  
00:14:01,539 --> 00:14:05,500  
here and a bunch of mice here and I

325  
00:14:03,789 --> 00:14:06,819  
assume since ones here and ones they are

326  
00:14:05,500 --> 00:14:08,139  
they're independent of each other but

327  
00:14:06,820 --> 00:14:11,110  
what if they're not independent of each

328  
00:14:08,139 --> 00:14:14,198

other what if I zap this one and this

329

00:14:11,110 --> 00:14:15,850

one gets a treatment and this seems to

330

00:14:14,198 --> 00:14:19,809

be happening in the healing experiments

331

00:14:15,850 --> 00:14:21,370

under selected conditions and if a

332

00:14:19,809 --> 00:14:23,139

treatment given to an experimental group

333

00:14:21,370 --> 00:14:28,480

will result in a treatment given to the

334

00:14:23,139 --> 00:14:30,309

untreated and they all get cured if they

335

00:14:28,480 --> 00:14:32,350

all get cured you say well then there's

336

00:14:30,309 --> 00:14:33,909

no the conclusion of an experiment is

337

00:14:32,350 --> 00:14:34,899

what's the difference between the two

338

00:14:33,909 --> 00:14:36,578

groups so there's no difference

339

00:14:34,899 --> 00:14:40,500

everybody's cured so what does that mean

340

00:14:36,578 --> 00:14:42,729

nothing happened that's a type two error

341

00:14:40,500 --> 00:14:44,948

how many type two errors are going out

342

00:14:42,730 --> 00:14:47,889

there in experimental methods how much

343  
00:14:44,948 --> 00:14:50,318  
how much how many times is it possible

344  
00:14:47,889 --> 00:14:51,940  
that we might have some bonding I have

345  
00:14:50,318 --> 00:14:53,588  
some indications that there's bonding

346  
00:14:51,940 --> 00:14:55,209  
with cell cultures certainly there's an

347  
00:14:53,589 --> 00:14:57,130  
indication that there's bonding with

348  
00:14:55,208 --> 00:14:58,419  
people certainly there's an indication

349  
00:14:57,129 --> 00:15:00,338  
there's bonding with

350  
00:14:58,419 --> 00:15:03,429  
animals it's a reasonably interesting

351  
00:15:00,339 --> 00:15:06,610  
phenomenon keep your eye open for type 2

352  
00:15:03,429 --> 00:15:09,399  
errors so here's an example of an

353  
00:15:06,610 --> 00:15:13,240  
experiment I'm just giving you the

354  
00:15:09,399 --> 00:15:16,000  
simple guts we have these are treated

355  
00:15:13,240 --> 00:15:18,480  
cages so somebody is putting their hands

356  
00:15:16,000 --> 00:15:18,480  
around them

357  
00:15:18,509 --> 00:15:24,909  
we have controls that these are

358  
00:15:21,399 --> 00:15:29,440  
someplace far away in the same building

359  
00:15:24,909 --> 00:15:30,990  
and here are controls that we didn't

360  
00:15:29,440 --> 00:15:35,850  
know about

361  
00:15:30,990 --> 00:15:38,649  
so this cot does awareness matter so

362  
00:15:35,850 --> 00:15:41,528  
typical controls second controls just to

363  
00:15:38,649 --> 00:15:45,190  
screw with each other's heads these labs

364  
00:15:41,528 --> 00:15:46,750  
are working on the same model this

365  
00:15:45,190 --> 00:15:48,790  
incidentally is the white mice that you

366  
00:15:46,750 --> 00:15:50,230  
just saw so we got a bunch of white mice

367  
00:15:48,789 --> 00:15:51,939  
a bunch of white mice a bunch of white

368  
00:15:50,230 --> 00:15:54,519  
mice and there's many more cages than

369  
00:15:51,940 --> 00:15:56,860  
three bunch of controls bunch of

370  
00:15:54,519 --> 00:15:58,480  
controls and now hundreds of mice in

371

00:15:56,860 --> 00:15:59,919  
these labs that are independent and

372  
00:15:58,480 --> 00:16:05,789  
they're doing traditional cancer

373  
00:15:59,919 --> 00:16:10,389  
research now if there's resonant bonding

374  
00:16:05,789 --> 00:16:14,319  
or there is more for genetic field think

375  
00:16:10,389 --> 00:16:17,019  
Sheldrake and Rupert and I have had it

376  
00:16:14,320 --> 00:16:18,970  
out about this if it's a morphic

377  
00:16:17,019 --> 00:16:21,129  
genetic field then you would expect a

378  
00:16:18,970 --> 00:16:22,509  
field effect of similar mice if there

379  
00:16:21,129 --> 00:16:25,689  
was a healing effect that would extend

380  
00:16:22,509 --> 00:16:28,120  
outward and it should it should infect

381  
00:16:25,690 --> 00:16:31,360  
if these are going to be infected by the

382  
00:16:28,120 --> 00:16:33,190  
treatment and they these are closer then

383  
00:16:31,360 --> 00:16:34,810  
the prediction would be what that that

384  
00:16:33,190 --> 00:16:36,970  
all of the mice similar types of mice

385  
00:16:34,809 --> 00:16:40,328

should be cured if there is a healing

386

00:16:36,970 --> 00:16:43,860

effect but what actually happens is only

387

00:16:40,328 --> 00:16:47,318

the ones in our experiment are cured

388

00:16:43,860 --> 00:16:50,019

this happens over and over same labs

389

00:16:47,318 --> 00:16:52,629

same same University same everything

390

00:16:50,019 --> 00:16:54,730

there's no noticeable effect on the ones

391

00:16:52,629 --> 00:16:57,009

that are not part of our experiments the

392

00:16:54,730 --> 00:16:59,379

controls which no healer has ever seen

393

00:16:57,009 --> 00:17:03,549

get cured and the ones that we didn't

394

00:16:59,379 --> 00:17:05,048

even know existed get cured now if you

395

00:17:03,549 --> 00:17:10,588

do this once you say well the labs

396

00:17:05,048 --> 00:17:10,588

incompetent 13 times folks

397

00:17:10,730 --> 00:17:15,890

six different labs it's too coincidental

398

00:17:13,939 --> 00:17:20,269

that all labs are incompetent when I

399

00:17:15,890 --> 00:17:23,959

walk in I'm fine saying I'm incompetent

400  
00:17:20,269 --> 00:17:27,798  
but every lab it's still not so simple

401  
00:17:23,959 --> 00:17:29,660  
the bonds seem to be fluid so the

402  
00:17:27,798 --> 00:17:31,700  
question is the motherlode question

403  
00:17:29,660 --> 00:17:33,500  
frankly is can the bonds be produced by

404  
00:17:31,700 --> 00:17:37,190  
exposure to the healer by the shared

405  
00:17:33,500 --> 00:17:42,048  
experiences among the Healy's can bonds

406  
00:17:37,190 --> 00:17:45,950  
be broken so another experiment this is

407  
00:17:42,048 --> 00:17:50,179  
a wonderful one a bunch of cages and

408  
00:17:45,950 --> 00:17:52,759  
this is actually is is I had three

409  
00:17:50,179 --> 00:17:55,548  
biologists skeptical biologists working

410  
00:17:52,759 --> 00:17:56,390  
on some cages and they said you're nuts

411  
00:17:55,548 --> 00:17:59,990  
I said fine

412  
00:17:56,390 --> 00:18:03,140  
do it anyway I had two non biologists

413  
00:17:59,990 --> 00:18:05,990  
working on some cages I had a control

414  
00:18:03,140 --> 00:18:07,190  
lab going on here I never saw them I'm

415  
00:18:05,990 --> 00:18:09,940  
not even allowed in the building and

416  
00:18:07,190 --> 00:18:12,289  
there was a second control sent off-site

417  
00:18:09,940 --> 00:18:13,850  
out of the B was actually out of the

418  
00:18:12,289 --> 00:18:16,730  
city who were trying to get the damn

419  
00:18:13,849 --> 00:18:19,819  
controls to die so we tell the

420  
00:18:16,730 --> 00:18:21,558  
biologists don't go near anything that

421  
00:18:19,819 --> 00:18:24,349  
that isn't part of the experiment

422  
00:18:21,558 --> 00:18:25,940  
because there might in fact be control

423  
00:18:24,349 --> 00:18:27,769  
stare don't look at the controls now

424  
00:18:25,940 --> 00:18:30,980  
what happens to a you tell a biologist

425  
00:18:27,769 --> 00:18:35,808  
not to go look in the room they go to

426  
00:18:30,980 --> 00:18:37,900  
the room and they come back and they go

427  
00:18:35,808 --> 00:18:40,668  
I didn't do it I didn't do it wasn't me

428

00:18:37,900 --> 00:18:43,460  
non biologists are much more compliant

429  
00:18:40,669 --> 00:18:47,679  
and so here's what happens the biologist

430  
00:18:43,460 --> 00:18:50,750  
labs mice that they're treating died

431  
00:18:47,679 --> 00:18:55,040  
the controls are cured the only ones to

432  
00:18:50,750 --> 00:18:58,819  
see them of the biologists in this

433  
00:18:55,039 --> 00:19:01,579  
wonderful and the non biologists they

434  
00:18:58,819 --> 00:19:03,289  
get cured and the controls they get

435  
00:19:01,579 --> 00:19:05,389  
cured now in this particular experiment

436  
00:19:03,289 --> 00:19:07,970  
we had a second group of cages we told

437  
00:19:05,390 --> 00:19:09,880  
him to take it home biologists and non

438  
00:19:07,970 --> 00:19:13,610  
biologists and here's what happened

439  
00:19:09,880 --> 00:19:16,790  
everybody got cured biologists can cure

440  
00:19:13,609 --> 00:19:20,500  
at home it turns out no biologist should

441  
00:19:16,789 --> 00:19:20,500  
be allowed near living things in a lab

442  
00:19:22,890 --> 00:19:30,070

that might have implications so some

443

00:19:28,089 --> 00:19:31,869

questions was that the cell transplants

444

00:19:30,069 --> 00:19:34,119

that cured was it the treated medium

445

00:19:31,869 --> 00:19:36,549

that cured was it really the water that

446

00:19:34,119 --> 00:19:39,879

cured if the the resonant bonds are

447

00:19:36,549 --> 00:19:42,659

fluid and not local you see that this

448

00:19:39,880 --> 00:19:46,660

becomes a methodological conundrum so

449

00:19:42,660 --> 00:19:51,850

I'm about to start a healing research

450

00:19:46,660 --> 00:19:53,680

agenda can we treat cotton and we don't

451

00:19:51,849 --> 00:19:55,689

do any of the know humans are involved

452

00:19:53,680 --> 00:19:57,580

we just get the cotton can the cotton

453

00:19:55,690 --> 00:20:00,400

produce it can the water alone produce

454

00:19:57,579 --> 00:20:03,639

it if that happens will it work with

455

00:20:00,400 --> 00:20:07,120

cell transplantation after that so we've

456

00:20:03,640 --> 00:20:10,000

got a biological part of the problem

457  
00:20:07,119 --> 00:20:12,639  
going on can can it be stored and can it

458  
00:20:10,000 --> 00:20:15,309  
actually happen if we got water in the

459  
00:20:12,640 --> 00:20:17,470  
treated medium and other stuff is going

460  
00:20:15,309 --> 00:20:20,289  
on with actual healers was it the water

461  
00:20:17,470 --> 00:20:23,769  
or was it the resonant bonding I don't

462  
00:20:20,289 --> 00:20:28,029  
know and we got a physics side of this

463  
00:20:23,769 --> 00:20:31,660  
going on can we find X and if so can

464  
00:20:28,029 --> 00:20:33,670  
that reproduce the cure so although

465  
00:20:31,660 --> 00:20:35,560  
we've produced the cure of these ways we

466  
00:20:33,670 --> 00:20:37,750  
don't know why and we haven't really

467  
00:20:35,559 --> 00:20:39,700  
isolated it you don't walk around going

468  
00:20:37,750 --> 00:20:43,509  
treated water cured the mice therefore

469  
00:20:39,700 --> 00:20:45,490  
look we did it with stored it becomes

470  
00:20:43,509 --> 00:20:48,309  
much more difficult than that so the

471  
00:20:45,490 --> 00:20:51,059  
bottom line is can anomalous healing be

472  
00:20:48,309 --> 00:20:53,619  
transformed into a conventional therapy

473  
00:20:51,059 --> 00:20:55,119  
it's still a question mark hopefully

474  
00:20:53,619 --> 00:20:58,379  
I'll find out in the next few months

475  
00:20:55,119 --> 00:20:58,379  
we'll have more of an indication

476  
00:21:04,259 --> 00:21:07,519  
thank you for your attention

477  
00:21:10,180 --> 00:21:21,340  
[Applause]

478  
00:21:16,169 --> 00:21:23,160  
bill question you said your mice when

479  
00:21:21,339 --> 00:21:26,230  
you bring the cell line forward they

480  
00:21:23,160 --> 00:21:29,679  
they they don't catch the cancer but if

481  
00:21:26,230 --> 00:21:31,870  
I'm not mistaken the initial cancer is

482  
00:21:29,679 --> 00:21:36,130  
initiated by the methyl whatever have

483  
00:21:31,869 --> 00:21:38,079  
you ever tried reinitiating trying to

484  
00:21:36,130 --> 00:21:42,910  
reinitiate the cancer in a mice where

485

00:21:38,079 --> 00:21:45,220  
the agent used in the first place the

486  
00:21:42,910 --> 00:21:49,450  
first statement is is slightly off the

487  
00:21:45,220 --> 00:21:51,640  
the as a general rule you can't seed it

488  
00:21:49,450 --> 00:21:54,069  
forward but there have been some mice

489  
00:21:51,640 --> 00:21:56,290  
that start to develop the tumor and then

490  
00:21:54,069 --> 00:21:58,750  
the tumor collapses without any further

491  
00:21:56,289 --> 00:22:01,329  
healing so at the very least it seems to

492  
00:21:58,750 --> 00:22:03,759  
have been weakened the cancer you may

493  
00:22:01,329 --> 00:22:06,069  
know yes so it doesn't seem to it's not

494  
00:22:03,759 --> 00:22:07,269  
a lethal dose anymore but something like

495  
00:22:06,069 --> 00:22:09,189  
the cancer tries to Rend then it

496  
00:22:07,269 --> 00:22:11,259  
collapses on its own whether that's

497  
00:22:09,190 --> 00:22:12,700  
because of the cell line collapse or

498  
00:22:11,259 --> 00:22:15,190  
because of something else that we're

499  
00:22:12,700 --> 00:22:16,450

doing going on again that makes it the

500

00:22:15,190 --> 00:22:19,090

method logical conundrum but to answer

501

00:22:16,450 --> 00:22:21,970

your second question know what was my

502

00:22:19,089 --> 00:22:24,220

second question could you play the tape

503

00:22:21,970 --> 00:22:25,360

back please yes so it's it yeah no I

504

00:22:24,220 --> 00:22:27,789

haven't tried it with the original

505

00:22:25,359 --> 00:22:29,379

material okay so I think this is a

506

00:22:27,789 --> 00:22:32,079

really important question the reason I

507

00:22:29,380 --> 00:22:34,450

bring it up is is with the whole idea of

508

00:22:32,079 --> 00:22:36,220

a genetic mouse model it done on me

509

00:22:34,450 --> 00:22:37,960

recently what was really interesting is

510

00:22:36,220 --> 00:22:40,600

there's an assumption that it's a

511

00:22:37,960 --> 00:22:42,190

genetic issue rather than what I'll call

512

00:22:40,599 --> 00:22:44,619

it tox illogical is true but how was the

513

00:22:42,190 --> 00:22:46,660

cancer initiated with a toxin so it's

514  
00:22:44,619 --> 00:22:48,039  
kind of funny though people think well

515  
00:22:46,660 --> 00:22:49,720  
okay we're good studied the genetics

516  
00:22:48,039 --> 00:22:52,089  
well how did you initiate that cancer

517  
00:22:49,720 --> 00:22:53,380  
well with the toxin like well I haven't

518  
00:22:52,089 --> 00:22:55,599  
I have a run but then we got to keep

519  
00:22:53,380 --> 00:22:59,890  
moving I haven't run on aquagenic mice

520  
00:22:55,599 --> 00:23:01,959  
at UC San Diego bill I've been hearing

521  
00:22:59,890 --> 00:23:05,340  
your report for many years and obviously

522  
00:23:01,960 --> 00:23:09,970  
I assume you want to cure humans

523  
00:23:05,339 --> 00:23:12,849  
eventually what humans why because we

524  
00:23:09,970 --> 00:23:14,470  
want we probably happy that you wouldn't

525  
00:23:12,849 --> 00:23:16,449  
cure the mice and this we don't have to

526  
00:23:14,470 --> 00:23:18,970  
use my stress my personal mission is to

527  
00:23:16,450 --> 00:23:21,970  
save the rodents

528  
00:23:18,970 --> 00:23:24,460  
people are annoying have you met any so

529  
00:23:21,970 --> 00:23:27,038  
if you go to humans that I think maybe

530  
00:23:24,460 --> 00:23:31,210  
you address this before if there's

531  
00:23:27,038 --> 00:23:33,759  
cancer say breast cancer these patients

532  
00:23:31,210 --> 00:23:36,460  
are going to first go to radiation or

533  
00:23:33,759 --> 00:23:39,460  
chemotherapy and I don't know if I'm

534  
00:23:36,460 --> 00:23:42,278  
true that if you do that does that

535  
00:23:39,460 --> 00:23:45,669  
negate your study your work and what

536  
00:23:42,278 --> 00:23:50,048  
interval you need to do do that stuff on

537  
00:23:45,669 --> 00:23:52,240  
them enough on the mice before I like

538  
00:23:50,048 --> 00:23:55,359  
John we started clinically and then went

539  
00:23:52,240 --> 00:23:57,759  
to two animals and in the clinical

540  
00:23:55,359 --> 00:24:01,778  
applications of this the healing

541  
00:23:57,759 --> 00:24:03,879  
combined with therapies that kill I'll

542

00:24:01,778 --> 00:24:05,679  
just say interfere with it and so you

543  
00:24:03,880 --> 00:24:08,049  
don't get the same kind of results

544  
00:24:05,679 --> 00:24:09,700  
healing and killing or not not not great

545  
00:24:08,048 --> 00:24:13,418  
combinations I have not done this

546  
00:24:09,700 --> 00:24:14,798  
experimentally on the mice no I on the

547  
00:24:13,419 --> 00:24:17,259  
drawing board I got a boatload of

548  
00:24:14,798 --> 00:24:20,710  
questions that I have to do but one of

549  
00:24:17,259 --> 00:24:22,778  
them is is treated and then radiated

550  
00:24:20,710 --> 00:24:24,519  
radiated then treated and all sorts of

551  
00:24:22,778 --> 00:24:29,769  
permutations you move there we have not

552  
00:24:24,519 --> 00:24:33,599  
yet done it yep bill do you have any

553  
00:24:29,769 --> 00:24:36,130  
suggestions for how to present this to

554  
00:24:33,599 --> 00:24:40,329  
conventional cancer researchers without

555  
00:24:36,130 --> 00:24:42,820  
getting laughed out of court yeah I I've

556  
00:24:40,329 --> 00:24:44,259

spoken at a bunch three of these

557

00:24:42,819 --> 00:24:47,019

experiments are done at three different

558

00:24:44,259 --> 00:24:50,109

medical schools and before I start at

559

00:24:47,019 --> 00:24:52,000

the medical school I'm invited to to

560

00:24:50,109 --> 00:24:54,069

either give a general address to a

561

00:24:52,000 --> 00:24:57,579

medical school or to a department of

562

00:24:54,069 --> 00:25:01,990

oncology I've had the most fun I would

563

00:24:57,579 --> 00:25:05,500

say I've had is addressing 75

564

00:25:01,990 --> 00:25:07,298

oncologists you want to see believers

565

00:25:05,500 --> 00:25:10,000

yeah they believe I'm really full of it

566

00:25:07,298 --> 00:25:12,158

and and so they go after me for hours I

567

00:25:10,000 --> 00:25:14,558

mean they want to cut my knees out

568

00:25:12,159 --> 00:25:16,240

everything else and there's there's

569

00:25:14,558 --> 00:25:18,250

actually they had to go to cameras and

570

00:25:16,240 --> 00:25:20,230

second rooms as the crowd starting and I

571  
00:25:18,250 --> 00:25:21,429  
have to tell you at the end I got a

572  
00:25:20,230 --> 00:25:23,490  
standing ovation because they couldn't

573  
00:25:21,429 --> 00:25:26,710  
find a flaw

574  
00:25:23,490 --> 00:25:29,048  
I'm currently invited to give a talk at

575  
00:25:26,710 --> 00:25:30,250  
Mount Sinai Medical School in New York

576  
00:25:29,048 --> 00:25:32,049  
City

577  
00:25:30,250 --> 00:25:34,180  
maybe there'll be some research going

578  
00:25:32,049 --> 00:25:39,129  
there also so that doesn't mean it'll

579  
00:25:34,180 --> 00:25:41,910  
catch on but to date I you know I've

580  
00:25:39,130 --> 00:25:43,060  
spoken at folk traditional folks yeah

581  
00:25:41,910 --> 00:25:47,680  
Garrett

582  
00:25:43,059 --> 00:25:50,980  
so most sigh phenomena occur well if not

583  
00:25:47,680 --> 00:25:53,350  
better with time displacement mm-hmm

584  
00:25:50,980 --> 00:25:58,450  
have you ever done retro causal healing

585  
00:25:53,349 --> 00:26:01,059  
no I want to very much John left John

586  
00:25:58,450 --> 00:26:03,610  
Ives but we've done replications of

587  
00:26:01,059 --> 00:26:05,230  
things near and far and have not seen

588  
00:26:03,609 --> 00:26:07,689  
diminishment with distance he said it

589  
00:26:05,230 --> 00:26:10,660  
goes with the inverse square law I don't

590  
00:26:07,690 --> 00:26:12,640  
see that I don't find that at all

591  
00:26:10,660 --> 00:26:15,220  
the time displacement thing is really

592  
00:26:12,640 --> 00:26:17,200  
fascinating but no I've never done it so

593  
00:26:15,220 --> 00:26:19,299  
then the follow-on question is do you

594  
00:26:17,200 --> 00:26:21,759  
think you could interpret some of your

595  
00:26:19,299 --> 00:26:23,769  
current results as time displacement it

596  
00:26:21,759 --> 00:26:26,980  
could be it could be and that would

597  
00:26:23,769 --> 00:26:28,480  
become you know like you have to pretend

598  
00:26:26,980 --> 00:26:31,750  
that physically separate things are

599

00:26:28,480 --> 00:26:33,279  
independent I am currently in the stage

600  
00:26:31,750 --> 00:26:35,769  
of research where I have to pretend that

601  
00:26:33,279 --> 00:26:38,740  
the president is still the present and

602  
00:26:35,769 --> 00:26:41,259  
both of those may be you know those both

603  
00:26:38,740 --> 00:26:43,750  
of those are leaps of faith so yeah I've

604  
00:26:41,259 --> 00:26:45,309  
given up I I have retired from the

605  
00:26:43,750 --> 00:26:47,859  
religion that separateness means

606  
00:26:45,309 --> 00:26:49,240  
independence I'm still kind of trying to

607  
00:26:47,859 --> 00:26:51,719  
hang on to the time thing but I'm

608  
00:26:49,240 --> 00:26:51,720  
probably wrong