



WE

HIV IS NOT  
A CRIME



CRIMINALIZING  
IT IS

FARGO

Let's  
Go!

1  
00:00:12,910 --> 00:00:09,910  
on this episode of skeptic Oh everything

2  
00:00:17,140 --> 00:00:12,920  
that I saw from the data about HIV

3  
00:00:20,019 --> 00:00:17,150  
testing did not fit with the idea of it

4  
00:00:22,779 --> 00:00:20,029  
being a sexually transmitted infection

5  
00:00:25,089 --> 00:00:22,789  
and again that's the impetus of your

6  
00:00:27,939 --> 00:00:25,099  
argument as I get it which is that it

7  
00:00:30,550 --> 00:00:27,949  
just doesn't fit not that you know what

8  
00:00:33,370 --> 00:00:30,560  
the answer is or once you have some

9  
00:00:34,960 --> 00:00:33,380  
insight into the cure for AIDS or the

10  
00:00:37,090 --> 00:00:34,970  
cause for AIDS or anything like that but

11  
00:00:40,780 --> 00:00:37,100  
it's just that you keep stumbling across

12  
00:00:42,880 --> 00:00:40,790  
this obvious problem with the existing

13  
00:00:45,400 --> 00:00:42,890

theory another piece I ran across in

14

00:00:47,980 --> 00:00:45,410

your work is you know african-american

15

00:00:50,380 --> 00:00:47,990

women in the United States this is from

16

00:00:52,180 --> 00:00:50,390

the the UN the official group for

17

00:00:53,320 --> 00:00:52,190

publishing this data but if you're an

18

00:00:58,810 --> 00:00:53,330

african-american woman in the United

19

00:01:03,460 --> 00:00:58,820

States 2010 20 times more likely to be

20

00:01:06,910 --> 00:01:03,470

HIV positive what's possible how could

21

00:01:10,540 --> 00:01:06,920

this possibly fit with the existing idea

22

00:01:13,390 --> 00:01:10,550

of how aids is spread contracted how HIV

23

00:01:15,910 --> 00:01:13,400

is spread contracted and am i right

24

00:01:19,360 --> 00:01:15,920

there is it you're right I mean they go

25

00:01:22,210 --> 00:01:19,370

through extraordinary contortions to try

26

00:01:28,560 --> 00:01:22,220

to offer explanations for that but the

27

00:01:33,640 --> 00:01:28,570

the thing is that in 20 or 25 years aids

28

00:01:38,890 --> 00:01:33,650

hiv/aids has supposedly changed from a

29

00:01:43,780 --> 00:01:38,900

disease largely restricted to gay white

30

00:01:47,649 --> 00:01:43,790

men into something that largely effects

31

00:02:01,399 --> 00:01:47,659

the black community and especially black

32

00:02:05,249 --> 00:02:03,719

welcome to skeptical where we explore

33

00:02:07,350 --> 00:02:05,259

controversial science with leading

34

00:02:09,510 --> 00:02:07,360

researchers thinkers and their critics

35

00:02:11,550 --> 00:02:09,520

I'm your host Alex Karras and on this

36

00:02:13,740 --> 00:02:11,560

show a dialogue I've been looking

37

00:02:15,870 --> 00:02:13,750

forward to for a long time you know it

38

00:02:18,210 --> 00:02:15,880

was probably 5 or 6 years ago that I

39

00:02:20,400 --> 00:02:18,220

first heard about our guest dr. Henry

40

00:02:22,320 --> 00:02:20,410

Bauer and I heard about him through what

41

00:02:24,930 --> 00:02:22,330

seemed to me at the time a very strange

42

00:02:28,740 --> 00:02:24,940

and radical idea he had about the

43

00:02:31,800 --> 00:02:28,750

relationship between aids and HIV now my

44

00:02:33,330 --> 00:02:31,810

journey through that I think is is kind

45

00:02:35,460 --> 00:02:33,340

of telling because it's about my

46

00:02:37,470 --> 00:02:35,470

skeptical journey in general and that I

47

00:02:39,330 --> 00:02:37,480

heard this guy and I realized right away

48

00:02:40,860 --> 00:02:39,340

that he had some very solid credentials

49

00:02:43,259 --> 00:02:40,870

and he seemed like a really smart guy

50

00:02:45,240 --> 00:02:43,269

and he was associated with the Society

51

00:02:47,130 --> 00:02:45,250

for scientific exploration an

52

00:02:49,080 --> 00:02:47,140

organization I knew that had very high

53

00:02:52,199 --> 00:02:49,090

standards and yet he was saying this

54

00:02:53,850 --> 00:02:52,209

really radical thing and I investigated

55

00:02:55,920 --> 00:02:53,860

it but I really only scratched the

56

00:02:58,289 --> 00:02:55,930

surface and then I did something I

57

00:02:59,699 --> 00:02:58,299

floated that idea out there I think I

58

00:03:01,710 --> 00:02:59,709

think it was in a forum poster in

59

00:03:04,229 --> 00:03:01,720

response to someone that hey you know

60

00:03:07,259 --> 00:03:04,239

maybe this aids HIV thing isn't what we

61

00:03:09,599 --> 00:03:07,269

think I just got beaten down battered by

62

00:03:11,759 --> 00:03:09,609

whoever responded and said you idiot you

63

00:03:13,860 --> 00:03:11,769

know here is this and here is this

64

00:03:15,509 --> 00:03:13,870

research and you know you don't know

65

00:03:16,800 --> 00:03:15,519

what you're talking about and I didn't

66

00:03:18,210 --> 00:03:16,810

know what I was talking about and I

67

00:03:20,849 --> 00:03:18,220

really didn't have the time or the

68

00:03:23,430 --> 00:03:20,859

inclination to investigate it very much

69

00:03:26,430 --> 00:03:23,440

further but I always had it in the back

70

00:03:30,060 --> 00:03:26,440

of my mind so when the opportunity came

71

00:03:32,940 --> 00:03:30,070

up to talk to dr. Bower and I got my

72

00:03:34,590 --> 00:03:32,950

hands on his book dogmatism in science

73

00:03:39,180 --> 00:03:34,600

and medicine I saw it as a real

74

00:03:40,860 --> 00:03:39,190

opportunity for the new 3.0 me who is a

75

00:03:43,500 --> 00:03:40,870

little bit smarter a little bit more

76

00:03:46,199 --> 00:03:43,510

savvy about how these research

77

00:03:49,229 --> 00:03:46,209

monopolies and knowledge cartels are

78

00:03:52,050 --> 00:03:49,239

formed and protected and how dogmatism

79

00:03:54,229 --> 00:03:52,060

and science exists I thought it was a

80

00:03:56,490 --> 00:03:54,239

great opportunity to jump in and

81

00:03:58,590 --> 00:03:56,500

investigate it through this dialogue and

82

00:04:00,360 --> 00:03:58,600

I'm really glad I did I hope you'll

83

00:04:03,000 --> 00:04:00,370

enjoy this dialogue we talked about a

84

00:04:06,390 --> 00:04:03,010

number of things including why science

85

00:04:09,839 --> 00:04:06,400

is so dogmatic how bad it really is for

86

00:04:12,280 --> 00:04:09,849

dissenters spoiler alert it's really

87

00:04:14,110 --> 00:04:12,290

really bad I

88

00:04:16,930 --> 00:04:14,120

why sometimes sound very pessimistic

89

00:04:19,479 --> 00:04:16,940

about the prospects for science I think

90

00:04:22,570 --> 00:04:19,489

I'm even more so after hearing some of

91

00:04:24,760 --> 00:04:22,580

the tales that dr. Bauer has to tell we

92

00:04:26,830 --> 00:04:24,770

also talk about what can be done I'm not

93

00:04:28,810 --> 00:04:26,840

sure much can but dr. Bauer has some

94

00:04:31,090 --> 00:04:28,820

ideas and a little bit about this

95

00:04:34,330 --> 00:04:31,100

specific case of the relationship

96

00:04:36,909 --> 00:04:34,340

between AIDS and HIV which i think is

97

00:04:39,850 --> 00:04:36,919

fascinating because as you'll find out

98

00:04:43,180 --> 00:04:39,860

the big picture data doesn't really

99

00:04:46,779 --> 00:04:43,190

support what you've been told about that

100

00:04:48,749 --> 00:04:46,789

relationship so I greatly enjoyed this

101  
00:04:51,850 --> 00:04:48,759  
dialogue I hope you'll enjoy it too

102  
00:04:56,080 --> 00:04:51,860  
here's my conversation with dr. Henry

103  
00:04:58,420 --> 00:04:56,090  
Bauer today we welcome dr. Henry Bauer -

104  
00:05:01,089 --> 00:04:58,430  
skeptic Oh dr. Bauer's a distinguished

105  
00:05:03,370 --> 00:05:01,099  
academic a chemist by training whose

106  
00:05:06,040 --> 00:05:03,380  
interest in science studies led him to

107  
00:05:08,140 --> 00:05:06,050  
become the Dean of Arts & Sciences at

108  
00:05:11,499 --> 00:05:08,150  
Virginia Tech he's the author of several

109  
00:05:14,249 --> 00:05:11,509  
books including dogmatism in science and

110  
00:05:17,320 --> 00:05:14,259  
medicine how dominant theories

111  
00:05:20,230 --> 00:05:17,330  
monopolize research and stifle the

112  
00:05:21,850 --> 00:05:20,240  
search for truth Henry it's a great

113  
00:05:24,670 --> 00:05:21,860

pleasure to have you on skeptic oh

114

00:05:27,730 --> 00:05:24,680

thanks so much for joining me well thank

115

00:05:29,770 --> 00:05:27,740

you very much for having me so you know

116

00:05:32,350 --> 00:05:29,780

your book covers a topic that I think

117

00:05:36,189 --> 00:05:32,360

many of our listeners are gonna be very

118

00:05:39,730 --> 00:05:36,199

familiar with that is the dogmatism that

119

00:05:41,529 --> 00:05:39,740

you find in science or I guess I always

120

00:05:43,689 --> 00:05:41,539

say science as we know it because

121

00:05:45,339 --> 00:05:43,699

science means a lot of different things

122

00:05:47,529 --> 00:05:45,349

to a lot of different people and when

123

00:05:49,600 --> 00:05:47,539

you start bashing science a lot of

124

00:05:51,909 --> 00:05:49,610

people want to talk about the pure

125

00:05:54,010 --> 00:05:51,919

science and the ideals of science but

126

00:05:56,950 --> 00:05:54,020

I've always maintained that we can only

127

00:05:59,409 --> 00:05:56,960

talk about the science that we deal with

128

00:06:01,960 --> 00:05:59,419

that we confront in our day to day lives

129

00:06:03,969 --> 00:06:01,970

that we confront in universities that

130

00:06:05,860 --> 00:06:03,979

has taught to us and to our kids and all

131

00:06:07,990 --> 00:06:05,870

the rest of that so and I think that's

132

00:06:11,379 --> 00:06:08,000

the science that you're really talking

133

00:06:14,770 --> 00:06:11,389

about yeah exactly and and that's one of

134

00:06:18,640 --> 00:06:14,780

the most important points that people's

135

00:06:22,420 --> 00:06:18,650

general impression of science has to do

136

00:06:25,870 --> 00:06:22,430

with ideals and ideals that were based

137

00:06:29,330 --> 00:06:25,880

on a science of

138

00:06:33,140 --> 00:06:29,340

centuries ago and it's just not

139

00:06:35,390 --> 00:06:33,150

applicable to science nowadays can you

140

00:06:38,780 --> 00:06:35,400

tell us a little bit Henry how you first

141

00:06:40,310 --> 00:06:38,790

became interested in these ideas I get

142

00:06:43,250 --> 00:06:40,320

the sense that you're maybe a little bit

143

00:06:46,130 --> 00:06:43,260

of a contrarian to begin with but I mean

144

00:06:49,610 --> 00:06:46,140

here you are you're moving along as a

145

00:06:51,140 --> 00:06:49,620

professional an academic and all these

146

00:06:53,060 --> 00:06:51,150

ideas that you're talking about really

147

00:06:54,530 --> 00:06:53,070

couldn't have you must that you must

148

00:06:56,690 --> 00:06:54,540

have saw early on that these were not

149

00:06:59,750 --> 00:06:56,700

good career moves for you to kind of

150

00:07:03,410 --> 00:06:59,760

take these positions absolutely not and

151

00:07:06,230 --> 00:07:03,420

I actually didn't start life as a crumb

152

00:07:10,390 --> 00:07:06,240

Terraria and I don't believe I I was

153

00:07:15,250 --> 00:07:10,400

turned on to chemistry in high school

154

00:07:20,900 --> 00:07:15,260

and went through the usual sort of

155

00:07:26,780 --> 00:07:20,910

training and postdoc and did research

156

00:07:31,220 --> 00:07:26,790

and taught chemistry and but I always

157

00:07:35,440 --> 00:07:31,230

read very widely and one day I picked up

158

00:07:39,740 --> 00:07:35,450

a book called Loch Ness monster and I

159

00:07:43,220 --> 00:07:39,750

knew like everybody knows that Loch Ness

160

00:07:47,420 --> 00:07:43,230

monster is a myth and it's an old wives

161

00:07:53,390 --> 00:07:47,430

tale and so on but as i leafed through

162

00:07:57,140 --> 00:07:53,400

the book I found stills from a film that

163

00:08:00,800 --> 00:07:57,150

the author claimed to have taken of the

164

00:08:03,350 --> 00:08:00,810

of this creature so I borrowed the book

165

00:08:08,000 --> 00:08:03,360

and and read it and I couldn't make up

166

00:08:13,150 --> 00:08:08,010

my mind whether the author was telling a

167

00:08:17,840 --> 00:08:13,160

true story certainly if he had a film of

168

00:08:21,500 --> 00:08:17,850

something moving in the lock then there

169

00:08:23,960 --> 00:08:21,510

was something there to be explained so

170

00:08:26,960 --> 00:08:23,970

then I wanted to find out what science

171

00:08:28,040 --> 00:08:26,970

says about it and I couldn't find

172

00:08:31,160 --> 00:08:28,050

anything

173

00:08:34,100 --> 00:08:31,170

you know the encyclopedias had one

174

00:08:36,920 --> 00:08:34,110

little paragraph nothing in the

175

00:08:40,850 --> 00:08:36,930

professional literature

176

00:08:46,370 --> 00:08:40,860

and that started me wondering why

177

00:08:50,300 --> 00:08:46,380

science ignores some things that so many

178

00:08:52,190 --> 00:08:50,310

people are interested in mm-hmm so at

179

00:08:55,060 --> 00:08:52,200

that point independent of whether or not

180

00:08:57,770 --> 00:08:55,070

you could establish this kind of

181

00:09:00,350 --> 00:08:57,780

cryptozoological fact that this thing

182

00:09:01,700 --> 00:09:00,360

did exist or not you just took it that

183

00:09:03,200 --> 00:09:01,710

hey there's a lot of people who are

184

00:09:06,110 --> 00:09:03,210

really interested in this and there's

185

00:09:08,200 --> 00:09:06,120

some evidence that it might be true why

186

00:09:12,470 --> 00:09:08,210

isn't it being investigated

187

00:09:13,940 --> 00:09:12,480

exactly so I I read whatever I could

188

00:09:17,390 --> 00:09:13,950

about it

189

00:09:20,180 --> 00:09:17,400

and I joined something called the Loch

190

00:09:23,090 --> 00:09:20,190

Ness Investigation Bureau that sent out

191

00:09:28,160 --> 00:09:23,100

newsletters I was in Australia at the

192

00:09:32,390 --> 00:09:28,170

time by the way and then in the mid

193

00:09:36,320 --> 00:09:32,400

sixties I emigrated to the States and in

194

00:09:39,950 --> 00:09:36,330

the early 70s I took a sabbatical leave

195

00:09:46,880 --> 00:09:39,960

to do some chemistry at Southampton in

196

00:09:49,900 --> 00:09:46,890

England and I took a vacation a spring

197

00:09:53,300 --> 00:09:49,910

vacation trip up to Loch Ness and

198

00:09:55,970 --> 00:09:53,310

believe it or not I I met there the

199

00:10:00,560 --> 00:09:55,980

author of that book that it first got me

200

00:10:03,110 --> 00:10:00,570

interested in it and he told told me

201  
00:10:06,950 --> 00:10:03,120  
about some underwater photographs that

202  
00:10:10,400 --> 00:10:06,960  
had just been taken and so I began to be

203  
00:10:13,340 --> 00:10:10,410  
serious about the possibility of that

204  
00:10:16,760 --> 00:10:13,350  
creature and when I got back from

205  
00:10:20,900 --> 00:10:16,770  
sabbatical I was at the University of

206  
00:10:25,400 --> 00:10:20,910  
Kentucky and and it was just very high

207  
00:10:28,090 --> 00:10:25,410  
on interdisciplinary research projects

208  
00:10:33,710 --> 00:10:28,100  
they thought that was the coming thing

209  
00:10:38,600 --> 00:10:33,720  
so I thought we'll put in a grant to

210  
00:10:42,620 --> 00:10:38,610  
study scientists attitudes towards

211  
00:10:45,760 --> 00:10:42,630  
things like the Loch Ness monster and I

212  
00:10:49,580 --> 00:10:45,770  
had a group of a historian and a

213  
00:10:54,410 --> 00:10:49,590

sociologist and a philosopher

214

00:10:57,880 --> 00:10:54,420

and we put in a grant proposal and it

215

00:11:01,610 --> 00:10:57,890

was not granted but several of the

216

00:11:07,040 --> 00:11:01,620

commentators said look if you understudy

217

00:11:09,770 --> 00:11:07,050

a really substantial topic of scientists

218

00:11:12,920 --> 00:11:09,780

not taking things seriously that they

219

00:11:16,880 --> 00:11:12,930

should why don't you look into the

220

00:11:18,730 --> 00:11:16,890

Velikovsky affair well I'd never heard

221

00:11:22,340 --> 00:11:18,740

of that

222

00:11:25,360 --> 00:11:22,350

but I thought I bet a head and and so I

223

00:11:32,140 --> 00:11:25,370

read up on that Velikovsky was a

224

00:11:34,640 --> 00:11:32,150

psychoanalyst who in around 1950

225

00:11:37,510 --> 00:11:34,650

published a book that was a wet

226

00:11:41,410 --> 00:11:37,520

bestseller a popular bestseller called

227

00:11:44,360 --> 00:11:41,420

worlds in collision in which he

228

00:11:49,400 --> 00:11:44,370

interpreted all sorts of biblical

229

00:11:53,960 --> 00:11:49,410

references and old legends and so on in

230

00:11:57,560 --> 00:11:53,970

terms of a scenario where a comet had

231

00:12:00,080 --> 00:11:57,570

come out of Jupiter and came close to

232

00:12:02,780 --> 00:12:00,090

Earth and that explained the parting of

233

00:12:08,090 --> 00:12:02,790

the Red Sea and and things of that sort

234

00:12:14,420 --> 00:12:08,100

and of course he was viciously attacked

235

00:12:19,310 --> 00:12:14,430

by scientists but when I read about

236

00:12:22,490 --> 00:12:19,320

their attacks I was taken aback because

237

00:12:27,070 --> 00:12:22,500

what they were doing were really

238

00:12:30,380 --> 00:12:27,080

criticizing Velikovsky's qualifications

239

00:12:34,000 --> 00:12:30,390

his approaches and so on but they were

240

00:12:39,140 --> 00:12:34,010

not really grappling with the specific

241

00:12:41,390 --> 00:12:39,150

substantive claims he had made like that

242

00:12:44,620 --> 00:12:41,400

Venus would turn out to be hotter than

243

00:12:47,960 --> 00:12:44,630

people presently thought and that

244

00:12:53,150 --> 00:12:47,970

Jupiter would be found to be issuing

245

00:12:54,890 --> 00:12:53,160

radio noise which was not known at that

246

00:13:02,900 --> 00:12:54,900

time

247

00:13:07,280 --> 00:13:02,910

so it seemed to me that scientists were

248

00:13:09,590 --> 00:13:07,290

not really behaving scientifically in

249

00:13:13,190 --> 00:13:09,600

approaching these issues that really

250

00:13:17,060 --> 00:13:13,200

cough skeered raised and so I decided to

251  
00:13:21,950 --> 00:13:17,070  
write a book called Velikovsky and the

252  
00:13:25,310 --> 00:13:21,960  
Loch Ness monster about one thing

253  
00:13:29,800 --> 00:13:25,320  
the Velikovsky claims which turned out

254  
00:13:32,960 --> 00:13:29,810  
not to be well-founded and the other one

255  
00:13:36,800 --> 00:13:32,970  
the Loch Ness business one where the

256  
00:13:39,530 --> 00:13:36,810  
claims are pretty well founded and it

257  
00:13:44,630 --> 00:13:39,540  
became too much for one book and those

258  
00:13:47,690 --> 00:13:44,640  
who were my first two books in sort of

259  
00:13:51,590 --> 00:13:47,700  
being skeptical about how science

260  
00:13:58,460 --> 00:13:51,600  
behaves but the most important result

261  
00:14:04,329 --> 00:13:58,470  
was that through my publisher sending

262  
00:14:09,970 --> 00:14:04,339  
these drafts of books out for critiquing

263  
00:14:13,460 --> 00:14:09,980

I met marchello A through Z who was a

264

00:14:18,320 --> 00:14:13,470

sociologist long interested in

265

00:14:22,579 --> 00:14:18,330

scientific unorthodox ease and he was in

266

00:14:27,949 --> 00:14:22,589

on a newly founded society the Society

267

00:14:32,090 --> 00:14:27,959

for scientific exploration and through

268

00:14:36,650 --> 00:14:32,100

becoming a member of that group I came

269

00:14:42,530 --> 00:14:36,660

to realize how many different fields of

270

00:14:49,340 --> 00:14:42,540

science are ignoring strong evidence of

271

00:14:52,550 --> 00:14:49,350

unorthodox phenomena and so then I never

272

00:14:57,170 --> 00:14:52,560

really looked back I I was so interested

273

00:15:00,410 --> 00:14:57,180

in those things that I decided I wanted

274

00:15:03,980 --> 00:15:00,420

to change my academic career from

275

00:15:07,390 --> 00:15:03,990

chemistry to history and philosophy

276

00:15:10,060 --> 00:15:07,400

sociology of science which

277

00:15:17,320 --> 00:15:10,070

nowadays is called science studies or

278

00:15:19,960 --> 00:15:17,330

science and technology studies and to

279

00:15:23,260 --> 00:15:19,970

make that change

280

00:15:26,830 --> 00:15:23,270

I needed some respite from being a

281

00:15:29,170 --> 00:15:26,840

professor of chemistry where of course I

282

00:15:32,560 --> 00:15:29,180

was expected to do chemistry all the

283

00:15:34,630 --> 00:15:32,570

time and to get grants in that and and

284

00:15:38,730 --> 00:15:34,640

so I looked for some for an

285

00:15:42,130 --> 00:15:38,740

administrative job to give me time to

286

00:15:45,880 --> 00:15:42,140

get qualified in in history and

287

00:15:49,150 --> 00:15:45,890

sociology of science and I was lucky

288

00:15:53,710 --> 00:15:49,160

enough to get the job here at Virginia

289

00:15:58,300 --> 00:15:53,720

Tech which is just endowed marvelously

290

00:16:01,630 --> 00:15:58,310

well for me but when you mentioned that

291

00:16:04,960 --> 00:16:01,640

these interests are hardly good for

292

00:16:11,200 --> 00:16:04,970

building a career one of the things that

293

00:16:14,250 --> 00:16:11,210

I did pretty consciously was not to set

294

00:16:18,250 --> 00:16:14,260

myself up as someone who was claiming

295

00:16:24,690 --> 00:16:18,260

the validity of any of these particular

296

00:16:29,410 --> 00:16:24,700

things I was doing scholarly studies of

297

00:16:33,790 --> 00:16:29,420

the controversies about these things

298

00:16:36,550 --> 00:16:33,800

and you know that's a legitimate sort of

299

00:16:39,880 --> 00:16:36,560

thing to do when you're someone working

300

00:16:41,830 --> 00:16:39,890

in science studies yes I think you you

301  
00:16:44,380 --> 00:16:41,840  
make that distinction very nicely

302  
00:16:46,840 --> 00:16:44,390  
although sometimes you do let slip in

303  
00:16:49,900 --> 00:16:46,850  
there a little bit of your of your of

304  
00:16:52,660 --> 00:16:49,910  
your research which is to be I'm glad

305  
00:16:54,970 --> 00:16:52,670  
you do and and I love the the kind of

306  
00:16:58,060 --> 00:16:54,980  
phrase that I think captures a lot of

307  
00:17:01,000 --> 00:16:58,070  
this is the suppression of competent

308  
00:17:03,670 --> 00:17:01,010  
minority views yeah that's what I think

309  
00:17:06,760 --> 00:17:03,680  
you're kind of battling against in your

310  
00:17:08,650 --> 00:17:06,770  
book you introduced two phrases that I

311  
00:17:10,470 --> 00:17:08,660  
think encapsulate a lot of the ideas

312  
00:17:15,130 --> 00:17:10,480  
you're talking about knowledge

313  
00:17:17,650 --> 00:17:15,140

monopolies in research cartels tell

314

00:17:21,870 --> 00:17:17,660

folks real quickly what you mean yeah

315

00:17:24,550 --> 00:17:21,880

knowledge monopolies I would define as

316

00:17:29,010 --> 00:17:24,560

something that has come to be so

317

00:17:33,730 --> 00:17:29,020

generally accepted that almost everybody

318

00:17:36,520 --> 00:17:33,740

believes it to be true and anybody who

319

00:17:39,280 --> 00:17:36,530

denies it as more or less automatically

320

00:17:40,930 --> 00:17:39,290

regarded as a kook a couple of quick

321

00:17:42,580 --> 00:17:40,940

examples that you mentioned in the book

322

00:17:46,330 --> 00:17:42,590

and that some people will be familiar

323

00:17:50,260 --> 00:17:46,340

with one is HIV causes AIDS

324

00:17:52,840 --> 00:17:50,270

second global warming a third is big

325

00:17:55,330 --> 00:17:52,850

bang theory all these are outlined in

326

00:17:58,240 --> 00:17:55,340

the book and I think that again the

327

00:18:02,380 --> 00:17:58,250

position you take is not coming out

328

00:18:06,160 --> 00:18:02,390

strongly that a particular contrary view

329

00:18:09,190 --> 00:18:06,170

deserves our overthrowing of the

330

00:18:11,080 --> 00:18:09,200

consensus view but just that there needs

331

00:18:15,090 --> 00:18:11,090

to be more of a give-and-take of

332

00:18:18,670 --> 00:18:15,100

exploring the the incompleteness of the

333

00:18:22,060 --> 00:18:18,680

accepted knowledge monopolies would you

334

00:18:25,990 --> 00:18:22,070

really yeah yes exactly I I mean I I

335

00:18:29,950 --> 00:18:26,000

think I acknowledge that I personally

336

00:18:33,670 --> 00:18:29,960

happen to be on the dissident side of

337

00:18:37,510 --> 00:18:33,680

those things but the point of the book

338

00:18:40,360 --> 00:18:37,520

is not to convince other people of that

339

00:18:45,370 --> 00:18:40,370

it is to convince people that there

340

00:18:48,610 --> 00:18:45,380

hasn't been a proper engagement between

341

00:18:53,140 --> 00:18:48,620

the mainstream view and the dissident

342

00:18:58,110 --> 00:18:53,150

view that's really the the crux of the

343

00:19:04,110 --> 00:18:58,120

problem that you can publish critiques

344

00:19:08,640 --> 00:19:04,120

in even in some pretty well-established

345

00:19:15,130 --> 00:19:08,650

publishing houses but you cannot force

346

00:19:18,130 --> 00:19:15,140

the prevailing experts to answer and so

347

00:19:22,270 --> 00:19:18,140

you have these in effect research

348

00:19:25,990 --> 00:19:22,280

cartels because nowadays it's very

349

00:19:28,780 --> 00:19:26,000

difficult to find any areas in which you

350

00:19:33,160 --> 00:19:28,790

can do research without considerable

351  
00:19:34,480 --> 00:19:33,170  
resources which means that the research

352  
00:19:37,450 --> 00:19:34,490  
that gets done

353  
00:19:41,350 --> 00:19:37,460  
is pretty much determined by the people

354  
00:19:45,370 --> 00:19:41,360  
who hold the purse strings and those

355  
00:19:50,880 --> 00:19:45,380  
people take their advice of course from

356  
00:19:55,690 --> 00:19:50,890  
the recognized mainstream experts so

357  
00:20:02,500 --> 00:19:55,700  
this there's a lack of a forum a lack of

358  
00:20:06,460 --> 00:20:02,510  
a place where the two or more points of

359  
00:20:11,010 --> 00:20:06,470  
view can engage in a substantive way

360  
00:20:14,880 --> 00:20:11,020  
where they can argue in a way that

361  
00:20:17,980 --> 00:20:14,890  
they're forced to answer one another

362  
00:20:21,970 --> 00:20:17,990  
specifically that they cannot evade one

363  
00:20:25,150 --> 00:20:21,980

another and I've come more and more to

364

00:20:28,660 --> 00:20:25,160

the notion that what we need is a

365

00:20:31,630 --> 00:20:28,670

so-called science Court this is

366

00:20:36,340 --> 00:20:31,640

something that was actually proposed 50

367

00:20:39,490 --> 00:20:36,350

or more years ago you know just after

368

00:20:41,950 --> 00:20:39,500

the Second World War there was a lot of

369

00:20:46,450 --> 00:20:41,960

to do about the possible safety or

370

00:20:48,850 --> 00:20:46,460

otherwise of nuclear power yeah but but

371

00:20:51,010 --> 00:20:48,860

Henry I think a science court this is

372

00:20:53,500 --> 00:20:51,020

the point which is what's really behind

373

00:20:56,049 --> 00:20:53,510

these knowledge monopolies and what's

374

00:20:58,810 --> 00:20:56,059

really behind these research cartels so

375

00:21:00,400 --> 00:20:58,820

if I can I want to set that aside for

376

00:21:01,570 --> 00:21:00,410

just a second and we'll get back to it

377

00:21:04,090 --> 00:21:01,580

because it's a point I think is very

378

00:21:05,410 --> 00:21:04,100

interesting but what I want to do is you

379

00:21:07,470 --> 00:21:05,420

know this idea that you're talking about

380

00:21:09,850 --> 00:21:07,480

I think everyone kind of nods their head

381

00:21:12,220 --> 00:21:09,860

until you get into the specifics and

382

00:21:14,530 --> 00:21:12,230

then it kind of drives at home here is

383

00:21:18,610 --> 00:21:14,540

your position statement as I understand

384

00:21:20,049 --> 00:21:18,620

it on the hiv-aids connection and now it

385

00:21:22,690 --> 00:21:20,059

should be noted because this is your

386

00:21:25,450 --> 00:21:22,700

point really that for this you have been

387

00:21:30,040 --> 00:21:25,460

kind of tarred and feathered as an aids

388

00:21:31,990 --> 00:21:30,050

denialist you know homophobic that every

389

00:21:34,210 --> 00:21:32,000

other horrible thing that can be thrown

390

00:21:36,520 --> 00:21:34,220

at you from an ad hominem attack basis

391

00:21:39,299 --> 00:21:36,530

as be thrown on you and here is what I

392

00:21:42,370 --> 00:21:39,309

understand to be your position statement

393

00:21:45,580 --> 00:21:42,380

subjective grounds for doubting that HIV

394

00:21:47,030 --> 00:21:45,590

is the necessary and sufficient cause of

395

00:21:50,470 --> 00:21:47,040

AIDS

396

00:21:53,540 --> 00:21:50,480

and that antiretroviral treatment is

397

00:21:55,850 --> 00:21:53,550

unambiguously beneficial so now if we

398

00:21:57,320 --> 00:21:55,860

really kind of tear that apart I mean I

399

00:22:00,920 --> 00:21:57,330

read that and that doesn't sound

400

00:22:02,510 --> 00:22:00,930

anything too radical really you're just

401  
00:22:06,320 --> 00:22:02,520  
saying hey there might be grounds for

402  
00:22:08,390 --> 00:22:06,330  
doubting that this is that HIV is always

403  
00:22:10,370 --> 00:22:08,400  
in every case necessary and sufficient

404  
00:22:12,170 --> 00:22:10,380  
for causing AIDS you're you're not

405  
00:22:14,240 --> 00:22:12,180  
saying that there isn't any link there

406  
00:22:16,370 --> 00:22:14,250  
but that the link isn't maybe the way

407  
00:22:19,460 --> 00:22:16,380  
we've thought it to be and secondly

408  
00:22:22,970 --> 00:22:19,470  
you're saying that for that reason maybe

409  
00:22:25,310 --> 00:22:22,980  
this antiretroviral treatment which we

410  
00:22:28,550 --> 00:22:25,320  
spent billions and billions of dollars

411  
00:22:31,250 --> 00:22:28,560  
on on a global on a global basis maybe

412  
00:22:32,810 --> 00:22:31,260  
that isn't unambiguously beneficial

413  
00:22:36,770 --> 00:22:32,820

maybe it isn't beneficial in every

414

00:22:41,120 --> 00:22:36,780

single case so for this for this you are

415

00:22:43,640 --> 00:22:41,130

an AIDS denier but so I think the first

416

00:22:45,470 --> 00:22:43,650

thing to do would be to back this up a

417

00:22:46,970 --> 00:22:45,480

little bit yeah and I don't want to get

418

00:22:49,430 --> 00:22:46,980

too far into the details of this because

419

00:22:52,340 --> 00:22:49,440

again your book is it talks about

420

00:22:54,080 --> 00:22:52,350

broader issues of from science input but

421

00:22:56,090 --> 00:22:54,090

we have to give specific examples

422

00:22:58,730 --> 00:22:56,100

because I think this alone for people

423

00:23:00,410 --> 00:22:58,740

who are uninitiated will come as as

424

00:23:02,120 --> 00:23:00,420

somewhat of a shock and they will be in

425

00:23:04,130 --> 00:23:02,130

that same position that a lot other

426

00:23:06,710 --> 00:23:04,140

people are as hey this guy's wack

427

00:23:09,500 --> 00:23:06,720

dungeon AIDS denier sure I'd give us

428

00:23:11,900 --> 00:23:09,510

some some fast fast facts that that just

429

00:23:15,530 --> 00:23:11,910

kind of make this glaringly true well

430

00:23:19,330 --> 00:23:15,540

you know I my generally interest in

431

00:23:22,880 --> 00:23:19,340

scientific on orthodoxies led me to read

432

00:23:25,550 --> 00:23:22,890

whatever I could wherever I would find

433

00:23:28,690 --> 00:23:25,560

out about somebody that denied a

434

00:23:31,820 --> 00:23:28,700

mainstream position and so in the

435

00:23:35,090 --> 00:23:31,830

mid-1950s I came across the fact that

436

00:23:36,260 --> 00:23:35,100

some people claimed that HIV doesn't

437

00:23:39,170 --> 00:23:36,270

cause AIDS

438

00:23:42,220 --> 00:23:39,180

so I read quite a bit about that and

439

00:23:48,100 --> 00:23:42,230

then this is in when the nineteen amid

440

00:23:53,320 --> 00:23:48,110

1950s nineteen sorry 1990s mid 1990s

441

00:23:57,560 --> 00:23:53,330

there was a book by Ellison and Duisburg

442

00:23:59,610 --> 00:23:57,570

about it and so you know it was

443

00:24:05,100 --> 00:23:59,620

interesting I didn't come down

444

00:24:10,230 --> 00:24:05,110

on one side or the other but around 2003

445

00:24:12,960 --> 00:24:10,240

or 2004 Harvey bialy published what he

446

00:24:17,730 --> 00:24:12,970

called a scientific biography of Peter

447

00:24:22,049 --> 00:24:17,740

Duesberg who was the main dissident

448

00:24:24,960 --> 00:24:22,059

against hiv/aids theory and in that book

449

00:24:28,650 --> 00:24:24,970

there was a statement that I knew simply

450

00:24:33,000 --> 00:24:28,660

couldn't be true it said that when the

451  
00:24:38,870 --> 00:24:33,010  
army first started to test new recruits

452  
00:24:42,180 --> 00:24:38,880  
for HIV and that was in the mid 1980s

453  
00:24:44,430 --> 00:24:42,190  
they found the teenage women from all

454  
00:24:48,900 --> 00:24:44,440  
over the country in the United States

455  
00:24:52,290 --> 00:24:48,910  
were HIV positive as often as teenage

456  
00:24:56,820 --> 00:24:52,300  
boys now that couldn't be true because

457  
00:25:00,740 --> 00:24:56,830  
the official position was that HIV came

458  
00:25:05,790 --> 00:25:00,750  
to the United States around the late

459  
00:25:10,560 --> 00:25:05,800  
1970s and it came in only amongst groups

460  
00:25:14,690 --> 00:25:10,570  
of gay men in a few large cities Los

461  
00:25:19,310 --> 00:25:14,700  
Angeles San Francisco New York well a

462  
00:25:23,580 --> 00:25:19,320  
sexually transmitted disease largely

463  
00:25:27,000 --> 00:25:23,590

transmitted between among gay men could

464

00:25:31,200 --> 00:25:27,010

not possibly have spread all over the

465

00:25:33,810 --> 00:25:31,210

United States in half a dozen years in

466

00:25:38,460 --> 00:25:33,820

such a way that you would find teenage

467

00:25:42,840 --> 00:25:38,470

women in Montana being HIV positive as

468

00:25:44,700 --> 00:25:42,850

often as teenaged boys there so I

469

00:25:47,400 --> 00:25:44,710

thought that could that statement

470

00:25:49,799 --> 00:25:47,410

couldn't be correct I looked up the

471

00:25:54,900 --> 00:25:49,809

original reference that's what the

472

00:25:58,740 --> 00:25:54,910

primary source said you never can accept

473

00:26:03,890 --> 00:25:58,750

a single source in science so I looked

474

00:26:09,480 --> 00:26:03,900

at other data about HIV testing in the

475

00:26:13,160 --> 00:26:09,490

1980s and I tell you this it became the

476

00:26:19,540 --> 00:26:13,170

most emotionally difficult time

477

00:26:22,280 --> 00:26:19,550

I can remember as as an adult because

478

00:26:26,810 --> 00:26:22,290

everything that I saw from the data

479

00:26:29,750 --> 00:26:26,820

about HIV testing did not fit with the

480

00:26:33,080 --> 00:26:29,760

idea of it being a sexually transmitted

481

00:26:35,450 --> 00:26:33,090

infection and again that's I think that

482

00:26:37,700 --> 00:26:35,460

the the impetus of your of your argument

483

00:26:40,340 --> 00:26:37,710

as I get it which is that it just

484

00:26:43,760 --> 00:26:40,350

doesn't fit not that you know what the

485

00:26:46,190 --> 00:26:43,770

answer is or what you have some insight

486

00:26:47,570 --> 00:26:46,200

into the cure for AIDS or the cause for

487

00:26:50,410 --> 00:26:47,580

AIDS or anything like that but it's just

488

00:26:53,720 --> 00:26:50,420

that you keep stumbling across this

489

00:26:55,670 --> 00:26:53,730

obvious problem with the existing theory

490

00:26:58,580 --> 00:26:55,680

another piece I ran across in your work

491

00:27:02,060 --> 00:26:58,590

is you know african-american women in

492

00:27:04,220 --> 00:27:02,070

the United States this is from the the

493

00:27:05,690 --> 00:27:04,230

u-men the official group were publishing

494

00:27:06,830 --> 00:27:05,700

this data but if you're an

495

00:27:12,350 --> 00:27:06,840

african-american woman in the United

496

00:27:16,970 --> 00:27:12,360

States 2010 20 times more likely to be

497

00:27:20,420 --> 00:27:16,980

HIV positive what's possible how could

498

00:27:24,050 --> 00:27:20,430

this possibly fit with the existing idea

499

00:27:26,930 --> 00:27:24,060

of how AIDS is spread contracted how HIV

500

00:27:29,390 --> 00:27:26,940

is spread contracted and am i right

501  
00:27:32,900 --> 00:27:29,400  
there is it you're right I mean they go

502  
00:27:35,750 --> 00:27:32,910  
through extraordinary contortions to try

503  
00:27:41,180 --> 00:27:35,760  
to offer explanations for that but the

504  
00:27:47,150 --> 00:27:41,190  
the thing is that in 20 or 25 years aids

505  
00:27:52,400 --> 00:27:47,160  
HIV AIDS has supposedly changed from a

506  
00:27:57,290 --> 00:27:52,410  
disease largely restricted to gay white

507  
00:28:01,190 --> 00:27:57,300  
men into something that largely effects

508  
00:28:06,880 --> 00:28:01,200  
the black community and especially black

509  
00:28:10,120 --> 00:28:06,890  
women and you know it makes no sense the

510  
00:28:16,180 --> 00:28:10,130  
when I had first analyzed those

511  
00:28:21,260 --> 00:28:16,190  
collected those data on HIV tests I

512  
00:28:26,180 --> 00:28:21,270  
wrote to the CDC to ask them are these

513  
00:28:29,120 --> 00:28:26,190

regularities I'm seeing real and if so

514

00:28:34,040 --> 00:28:29,130

how do you explain

515

00:28:37,430 --> 00:28:34,050

and I didn't get a reply for a while I

516

00:28:40,910 --> 00:28:37,440

had to keep pushing but eventually I got

517

00:28:44,030 --> 00:28:40,920

a short reply saying that the

518

00:28:47,360 --> 00:28:44,040

regularities that I saw are genuine they

519

00:28:50,890 --> 00:28:47,370

are real but the difference between

520

00:28:53,990 --> 00:28:50,900

white and black can be explained on a

521

00:28:55,610 --> 00:28:54,000

behavioral basis yeah yeah they don't

522

00:28:56,990 --> 00:28:55,620

realize that they're stepping into there

523

00:28:59,900 --> 00:28:57,000

but I guess they've gotten away with it

524

00:29:02,780 --> 00:28:59,910

so why not yeah they happen and you know

525

00:29:05,090 --> 00:29:02,790

that it's about as racist the stereotype

526  
00:29:07,940 --> 00:29:05,100  
as you can imagine completely and worth

527  
00:29:11,990 --> 00:29:07,950  
the data to back that up actually I

528  
00:29:15,550 --> 00:29:12,000  
found a number of references that's tell

529  
00:29:18,920 --> 00:29:15,560  
you the contrary there are some social

530  
00:29:21,800 --> 00:29:18,930  
sociological studies that seem to find

531  
00:29:24,950 --> 00:29:21,810  
that black people are a bit more careful

532  
00:29:30,320 --> 00:29:24,960  
in their sexual relationships than white

533  
00:29:32,600 --> 00:29:30,330  
people are in the US and in Africa but

534  
00:29:37,850 --> 00:29:32,610  
you know at the very least there's

535  
00:29:40,190 --> 00:29:37,860  
absolutely no no evidence that that

536  
00:29:42,910 --> 00:29:40,200  
black people are more likely to be

537  
00:29:45,320 --> 00:29:42,920  
sexually promiscuous in this

538  
00:29:46,970 --> 00:29:45,330

extraordinary way one of the things you

539

00:29:51,140 --> 00:29:46,980

do a great job of doing in the book

540

00:29:54,260 --> 00:29:51,150

Henry is personalizing this story from

541

00:29:55,490 --> 00:29:54,270

the standpoint of a scientist and tell

542

00:29:57,230 --> 00:29:55,500

us a little bit about what you've

543

00:29:59,900 --> 00:29:57,240

encountered because you have run across

544

00:30:01,880 --> 00:29:59,910

people who have been blindsided by this

545

00:30:03,770 --> 00:30:01,890

I mean they're they're they're competent

546

00:30:06,140 --> 00:30:03,780

hard-working scientists that are kind of

547

00:30:08,930 --> 00:30:06,150

plugging along in their field and they

548

00:30:11,180 --> 00:30:08,940

unknowingly stumble into a situation

549

00:30:14,150 --> 00:30:11,190

where they find themselves running up

550

00:30:16,430 --> 00:30:14,160

against one of these monopolies and they

551

00:30:18,440 --> 00:30:16,440

really are are blindsided aren't they

552

00:30:22,850 --> 00:30:18,450

they tell us some of the cases you run

553

00:30:26,120 --> 00:30:22,860

into absolutely blindsided I mean Peter

554

00:30:30,590 --> 00:30:26,130

Duesberg as the outstanding example of

555

00:30:36,080 --> 00:30:30,600

that he was one of the most widely

556

00:30:39,740 --> 00:30:36,090

acclaimed virologists in fact retroviral

557

00:30:43,040 --> 00:30:39,750

adjusts he got one of the

558

00:30:46,370 --> 00:30:43,050

most eminent to research grants from the

559

00:30:49,730 --> 00:30:46,380

National Institutes of Health a grant

560

00:30:53,750 --> 00:30:49,740

that gets you funded for seven years

561

00:30:55,940 --> 00:30:53,760

without you having to reapply for it he

562

00:30:59,330 --> 00:30:55,950

was elected to the National Academy of

563

00:31:04,010 --> 00:30:59,340

Sciences as a young relatively young

564

00:31:08,980 --> 00:31:04,020

researcher and all that happened was

565

00:31:13,100 --> 00:31:08,990

that when in the early days of the AIDS

566

00:31:17,410 --> 00:31:13,110

discovery he wrote an article from the

567

00:31:20,480 --> 00:31:17,420

basis of his knowledge of retroviruses

568

00:31:25,040 --> 00:31:20,490

saying you know you can't a retrovirus

569

00:31:30,430 --> 00:31:25,050

can't do what it's being claimed it can

570

00:31:34,130 --> 00:31:30,440

do all of a sudden he was excommunicated

571

00:31:39,070 --> 00:31:34,140

Robert Gallo who was head of the

572

00:31:42,970 --> 00:31:39,080

National Cancer Institute who had

573

00:31:47,050 --> 00:31:42,980

introduced this Berg in glowing terms

574

00:31:51,680 --> 00:31:47,060

for a seminar a little while earlier

575

00:31:55,700 --> 00:31:51,690

turned around completely and would not

576

00:31:58,450 --> 00:31:55,710

even discuss the question with Duisburg

577

00:32:01,730 --> 00:31:58,460

in fact he and other people actually

578

00:32:07,730 --> 00:32:01,740

threatened to boycott conferences

579

00:32:13,270 --> 00:32:07,740

if Duisburg was allowed to attend you

580

00:32:18,370 --> 00:32:13,280

know totally extraordinary situation

581

00:32:22,310 --> 00:32:18,380

Gordon Stewart is a British of Scottish

582

00:32:25,550 --> 00:32:22,320

epidemiologist who was a consultant to

583

00:32:30,260 --> 00:32:25,560

the World Health Organization amongst

584

00:32:35,240 --> 00:32:30,270

other things and when the aids business

585

00:32:39,680 --> 00:32:35,250

started he pointed out that all of the

586

00:32:42,440 --> 00:32:39,690

data indicated that it was not a

587

00:32:46,570 --> 00:32:42,450

sexually transmitted disease because it

588

00:32:53,480 --> 00:32:46,580

was not leaving the original risk groups

589

00:32:58,700 --> 00:32:53,490

this was in the 1980s where you know

590

00:33:02,899 --> 00:32:58,710

until about the early 1990s HIV and AIDS

591

00:33:06,430 --> 00:33:02,909

were pretty much found only amongst gay

592

00:33:10,010 --> 00:33:06,440

men in in Britain where Stewart was

593

00:33:14,269 --> 00:33:10,020

taking the data as well as in the United

594

00:33:19,760 --> 00:33:14,279

States and and the Stewart was unable to

595

00:33:22,909 --> 00:33:19,770

get his studies published even though

596

00:33:26,450 --> 00:33:22,919

you know he was personally known to

597

00:33:30,080 --> 00:33:26,460

people in the professional societies and

598

00:33:34,909 --> 00:33:30,090

as I say it had he had had a an imminent

599

00:33:39,850 --> 00:33:34,919

career as an epidemiologist here he was

600

00:33:43,549 --> 00:33:39,860

writing about epidemiology his specialty

601  
00:33:47,720 --> 00:33:43,559  
and he was being suppressed he wasn't

602  
00:33:51,289 --> 00:33:47,730  
being listened to and as a matter of

603  
00:33:55,580 --> 00:33:51,299  
fact you know his his unpublished

604  
00:33:59,120 --> 00:33:55,590  
articles have been borne out by by later

605  
00:34:04,549 --> 00:33:59,130  
data to these predictions were correct

606  
00:34:08,419 --> 00:34:04,559  
and and the opposing predictions were

607  
00:34:10,280 --> 00:34:08,429  
wrong in the book you have an idea for

608  
00:34:11,659 --> 00:34:10,290  
how this has come about and one of the

609  
00:34:15,290 --> 00:34:11,669  
claims you make is that this is a

610  
00:34:18,440 --> 00:34:15,300  
relatively recent phenomena that we find

611  
00:34:22,129 --> 00:34:18,450  
inside yes these the extent to which

612  
00:34:24,379 --> 00:34:22,139  
these monopolies and cartels exert their

613  
00:34:26,629 --> 00:34:24,389

influence you make the claim that in

614

00:34:29,139 --> 00:34:26,639

your career you've seen a shift yeah

615

00:34:33,020 --> 00:34:29,149

tell us what you think is behind that

616

00:34:35,780 --> 00:34:33,030

it's actually it's money to put it to

617

00:34:38,119 --> 00:34:35,790

put it in the simplest possible way but

618

00:34:43,329 --> 00:34:38,129

how's the money changed science has

619

00:34:47,960 --> 00:34:43,339

become important back in the 1913 to the

620

00:34:50,869 --> 00:34:47,970

1930s the general societal view was that

621

00:34:52,820 --> 00:34:50,879

you know science is a good thing and we

622

00:34:56,389 --> 00:34:52,830

know about these great people like

623

00:34:59,089 --> 00:34:56,399

Darwin and Einstein and so on but what

624

00:35:04,040 --> 00:34:59,099

people were doing didn't require much

625

00:35:07,280 --> 00:35:04,050

money and the consequences of what they

626  
00:35:10,160 --> 00:35:07,290  
were finding out didn't seem to be

627  
00:35:15,290 --> 00:35:10,170  
of startling importance for any

628  
00:35:19,570 --> 00:35:15,300  
near-term big ventures or big

629  
00:35:23,300 --> 00:35:19,580  
money-making things second world war

630  
00:35:26,990 --> 00:35:23,310  
changed all sorts of things

631  
00:35:30,790 --> 00:35:27,000  
that's when penicillin antibiotics came

632  
00:35:36,590 --> 00:35:30,800  
in and medicine supposedly could become

633  
00:35:40,790 --> 00:35:36,600  
scientific and do wonders in terms of

634  
00:35:45,470 --> 00:35:40,800  
saving people's lives and of course the

635  
00:35:48,800 --> 00:35:45,480  
atom bomb showed that physicists were

636  
00:35:54,560 --> 00:35:48,810  
able to do things that could lead to

637  
00:35:55,930 --> 00:35:54,570  
nations winning wars so after the Second

638  
00:36:00,310 --> 00:35:55,940

World War there was a tremendous

639

00:36:05,420 --> 00:36:00,320

expansion of money to train new

640

00:36:07,100 --> 00:36:05,430

scientists and to fund science and when

641

00:36:12,080 --> 00:36:07,110

I came to the States

642

00:36:17,450 --> 00:36:12,090

in the mid-60s from Australia it was a

643

00:36:20,720 --> 00:36:17,460

golden era just about anybody who was

644

00:36:25,240 --> 00:36:20,730

trained in science at just about any

645

00:36:29,750 --> 00:36:25,250

university or College could get funding

646

00:36:33,140 --> 00:36:29,760

and what has happened is that the number

647

00:36:36,290 --> 00:36:33,150

of people supposedly engaged in

648

00:36:40,850 --> 00:36:36,300

scientific research has expanded

649

00:36:44,590 --> 00:36:40,860

enormously and the amount of money being

650

00:36:48,070 --> 00:36:44,600

poured into it expanded enormously and

651

00:36:53,210 --> 00:36:48,080

then there came a bit of a crisis

652

00:36:56,660 --> 00:36:53,220

because the amount of resources just

653

00:36:58,910 --> 00:36:56,670

couldn't keep up with the demand well

654

00:37:01,700 --> 00:36:58,920

with the demand in one respect I think

655

00:37:03,860 --> 00:37:01,710

the scenario you paint very nicely is

656

00:37:06,710 --> 00:37:03,870

that in some respects I see it as a kind

657

00:37:08,720 --> 00:37:06,720

of classic labor versus management issue

658

00:37:10,610 --> 00:37:08,730

and that yeah there's this period where

659

00:37:12,640 --> 00:37:10,620

there's this just kind of free money

660

00:37:15,830 --> 00:37:12,650

everyone's flowing around and then

661

00:37:17,510 --> 00:37:15,840

people are learning where to find the

662

00:37:19,340 --> 00:37:17,520

cheese so they're kind of following the

663

00:37:21,299 --> 00:37:19,350

path and get more research grants get

664

00:37:23,880 --> 00:37:21,309

more publications get more stew

665

00:37:25,529 --> 00:37:23,890

turn out more PhDs and everyone's kind

666

00:37:27,449 --> 00:37:25,539

of going along these assumptions and at

667

00:37:29,309 --> 00:37:27,459

one point somebody turns around and

668

00:37:31,380 --> 00:37:29,319

shuts down the faucet on the money and

669

00:37:34,019 --> 00:37:31,390

says hey we need to get some results off

670

00:37:37,469 --> 00:37:34,029

of this again classic management

671

00:37:39,390 --> 00:37:37,479

employees the labor the labor pool is

672

00:37:41,699 --> 00:37:39,400

saying we just want to do our job we

673

00:37:43,739 --> 00:37:41,709

just want to be creative and management

674

00:37:47,279 --> 00:37:43,749

is saying hey it's up to my bottom line

675

00:37:49,589 --> 00:37:47,289

I want to make money that's part of it

676

00:37:53,419 --> 00:37:49,599

but there is also another part of it and

677

00:37:56,909 --> 00:37:53,429

that is that so many research

678

00:37:59,179 --> 00:37:56,919

universities got established or other

679

00:38:02,849 --> 00:37:59,189

colleges turned into research

680

00:38:06,150 --> 00:38:02,859

universities and all of those wanted to

681

00:38:09,449 --> 00:38:06,160

pour out as many graduates and potential

682

00:38:13,589 --> 00:38:09,459

researchers as possible but the market

683

00:38:18,019 --> 00:38:13,599

was saturated there were about a hundred

684

00:38:22,890 --> 00:38:18,029

hundred and fifteen or so PhD granting

685

00:38:25,979 --> 00:38:22,900

universities in the 1940's and 30 years

686

00:38:29,819 --> 00:38:25,989

later in the nineteen in the United

687

00:38:33,989 --> 00:38:29,829

States there were three times as many so

688

00:38:39,120 --> 00:38:33,999

and you know the the the cutthroat

689

00:38:41,429 --> 00:38:39,130

nature of research now goes like this if

690

00:38:44,429 --> 00:38:41,439

you're a biologist and you're applying

691

00:38:47,309 --> 00:38:44,439

for a grant to the National Institutes

692

00:38:50,880 --> 00:38:47,319

of Health which is the main funding

693

00:38:55,349 --> 00:38:50,890

source your chances of getting a grant

694

00:38:57,359 --> 00:38:55,359

are less than one in five think about

695

00:39:02,039 --> 00:38:57,369

that hmm

696

00:39:06,289 --> 00:39:02,049

furthermore the average age at which a

697

00:39:08,939 --> 00:39:06,299

young or new investigator gets their own

698

00:39:13,919 --> 00:39:08,949

individual grant as a principal

699

00:39:16,769 --> 00:39:13,929

investigator is in the early 40s you're

700

00:39:19,049 --> 00:39:16,779

essentially in a limbo depending on

701

00:39:22,789 --> 00:39:19,059

other people until you're in your early

702

00:39:26,819 --> 00:39:22,799

forties I mean it's it's become a

703

00:39:30,160 --> 00:39:26,829

ridiculously cutthroat and ineffective

704

00:39:32,140 --> 00:39:30,170

as the situation

705

00:39:35,019 --> 00:39:32,150

well it just shifts the power more and

706

00:39:38,410 --> 00:39:35,029

more to those funding agencies be they

707

00:39:42,519 --> 00:39:38,420

the National Institute for Health or Big

708

00:39:46,509 --> 00:39:42,529

Pharma or Big Oil or big whoever they

709

00:39:48,819 --> 00:39:46,519

now can really demand more and influence

710

00:39:51,490 --> 00:39:48,829

more and that's not necessarily that's

711

00:39:55,180 --> 00:39:51,500

right they controlled things and the

712

00:39:58,870 --> 00:39:55,190

people who control things including the

713

00:40:01,480 --> 00:39:58,880

established people in a Kadeem and not

714

00:40:05,799 --> 00:40:01,490

going to give up their status and their

715

00:40:08,680 --> 00:40:05,809

privileges and part of that status and

716

00:40:12,400 --> 00:40:08,690

privilege of course depends on the

717

00:40:17,279 --> 00:40:12,410

theories that they claim to be true so

718

00:40:20,799 --> 00:40:17,289

we've got a circumstance where new ideas

719

00:40:24,009 --> 00:40:20,809

don't just meet the normal sort of

720

00:40:29,319 --> 00:40:24,019

resistance that human beings have to new

721

00:40:34,390 --> 00:40:29,329

ideas but the old ideas are entrenched

722

00:40:36,279 --> 00:40:34,400

by a tremendous group vested interests

723

00:40:39,999 --> 00:40:36,289

who control the funding and the

724

00:40:42,069 --> 00:40:40,009

publication and the promotion and so on

725

00:40:43,660 --> 00:40:42,079

and that's really kind of a tricky issue

726

00:40:46,480 --> 00:40:43,670

isn't it because I think we're

727

00:40:48,940 --> 00:40:46,490

conditioned to think that science is all

728

00:40:51,880 --> 00:40:48,950

about innovation but also that that

729

00:40:53,650 --> 00:40:51,890

industry is all about innovation and

730

00:40:55,509 --> 00:40:53,660

that these breakthrough products and

731

00:40:57,430 --> 00:40:55,519

breakthrough technologies are what's

732

00:40:59,920 --> 00:40:57,440

really driving industry and when you

733

00:41:01,749 --> 00:40:59,930

really pull it apart like you do you

734

00:41:05,819 --> 00:41:01,759

really find that in many respects

735

00:41:09,490 --> 00:41:05,829

industry is anti innovation anti

736

00:41:12,120 --> 00:41:09,500

especially disruptive technologies so if

737

00:41:15,579 --> 00:41:12,130

you're for example in the business of

738

00:41:18,279 --> 00:41:15,589

refining and distributing oil products

739

00:41:21,370 --> 00:41:18,289

then you really don't have a strong

740

00:41:24,160 --> 00:41:21,380

vested interest in low energy nuclear

741

00:41:27,789 --> 00:41:24,170

reaction or cold fusion as it's known

742

00:41:30,789 --> 00:41:27,799

yeah that's a that's a disturbing at the

743

00:41:32,620 --> 00:41:30,799

technology that completely disrupts your

744

00:41:33,940 --> 00:41:32,630

way of business and the same thing is

745

00:41:36,910 --> 00:41:33,950

true in pharmaceuticals and everywhere

746

00:41:40,089 --> 00:41:36,920

else so I think we have to sort out what

747

00:41:42,730 --> 00:41:40,099

kind of innovation is really allowed and

748

00:41:43,900 --> 00:41:42,740

it becomes a pretty narrow little path

749

00:41:48,339 --> 00:41:43,910

that these guys

750

00:41:52,480 --> 00:41:48,349

yeah because it's the bottom line of

751  
00:41:57,400 --> 00:41:52,490  
profit that is the driving force and and

752  
00:42:01,120 --> 00:41:57,410  
that is made all the so much worse

753  
00:42:05,500 --> 00:42:01,130  
because of all the conglomeration that

754  
00:42:08,980 --> 00:42:05,510  
has gone on the I've read quite a bit

755  
00:42:13,120 --> 00:42:08,990  
recently about the pharmaceutical

756  
00:42:15,670 --> 00:42:13,130  
industry for example and 50 years ago

757  
00:42:20,049 --> 00:42:15,680  
there were lots of rather small drug

758  
00:42:24,309 --> 00:42:20,059  
companies and CEOs of those companies

759  
00:42:29,940 --> 00:42:24,319  
typically were people with MD degrees or

760  
00:42:33,670 --> 00:42:29,950  
who had been in in research nowadays

761  
00:42:38,950 --> 00:42:33,680  
drug companies are a relatively small

762  
00:42:42,370 --> 00:42:38,960  
number of conglomerates and the CEOs

763  
00:42:45,490 --> 00:42:42,380

typically come from sales marketing or

764

00:42:51,549 --> 00:42:45,500

business management it's a completely

765

00:42:55,510 --> 00:42:51,559

different cast of mind and the notion

766

00:43:00,839 --> 00:42:55,520

that profits come first then are imposed

767

00:43:04,180 --> 00:43:00,849

from the top and you know when people

768

00:43:07,440 --> 00:43:04,190

worry or or criticize government

769

00:43:10,630 --> 00:43:07,450

bureaucracy it's not generally

770

00:43:14,430 --> 00:43:10,640

recognized that bureaucracy is just as

771

00:43:17,849 --> 00:43:14,440

bad in large companies you you get

772

00:43:20,980 --> 00:43:17,859

bureaucracy whenever there are big

773

00:43:24,579 --> 00:43:20,990

enterprises and you've got hierarchies

774

00:43:31,240 --> 00:43:24,589

and you've got subdivisions and you got

775

00:43:34,349 --> 00:43:31,250

separation of of responsibilities and so

776

00:43:37,630 --> 00:43:34,359

you can have some very dysfunctional

777

00:43:39,670 --> 00:43:37,640

situations coming about let's talk a

778

00:43:41,589 --> 00:43:39,680

little bit about conspiracies because

779

00:43:45,549 --> 00:43:41,599

you pull up short of drawing the line

780

00:43:48,130 --> 00:43:45,559

between these instances of dogmatism and

781

00:43:50,109 --> 00:43:48,140

monopolies and cartels in science and

782

00:43:52,569 --> 00:43:50,119

medicine and are what are commonly

783

00:43:55,059 --> 00:43:52,579

referred to as conspiracy theories in

784

00:43:57,490 --> 00:43:55,069

fact you say knowledge monopolies are

785

00:44:00,370 --> 00:43:57,500

not willful conspiracies

786

00:44:03,690 --> 00:44:00,380

that sounds nice and safe but is that

787

00:44:07,000 --> 00:44:03,700

really the case well I I define

788

00:44:11,700 --> 00:44:07,010

conspiracy as people deliberately

789

00:44:16,270 --> 00:44:11,710

bringing about circumstances that they

790

00:44:20,050 --> 00:44:16,280

fully know are purely for their own

791

00:44:22,150 --> 00:44:20,060

benefit and not to anybody else's well

792

00:44:23,890 --> 00:44:22,160

that's a that's a pretty well that's a

793

00:44:25,750 --> 00:44:23,900

pretty narrow description and it gets

794

00:44:28,240 --> 00:44:25,760

into be a slippery slope let me throw

795

00:44:29,650 --> 00:44:28,250

out a story let me tell you a story one

796

00:44:32,020 --> 00:44:29,660

that I'm sure you're probably familiar

797

00:44:37,090 --> 00:44:32,030

with but there's probably many listeners

798

00:44:38,950 --> 00:44:37,100

here or not and that's in 1985 Monsanto

799

00:44:41,430 --> 00:44:38,960

purchased a little company called Cyril

800

00:44:44,140 --> 00:44:41,440

& Company because they had a patent on

801  
00:44:48,340 --> 00:44:44,150  
aspartame you know the little NutraSweet

802  
00:44:50,620 --> 00:44:48,350  
if blue thing right and the FDA had

803  
00:44:54,070 --> 00:44:50,630  
already banned aspartame because it was

804  
00:44:56,020 --> 00:44:54,080  
unsafe but they went out Monsanto and

805  
00:44:58,930 --> 00:44:56,030  
Searle went out and they hired Donald

806  
00:45:01,600 --> 00:44:58,940  
Rumsfeld secreto Secretary of State

807  
00:45:03,430 --> 00:45:01,610  
Donald Rumsfeld there is no building

808  
00:45:06,760 --> 00:45:03,440  
seven what's building seven Donald

809  
00:45:09,430 --> 00:45:06,770  
Rumsfeld that guy who vowed to call in

810  
00:45:11,710 --> 00:45:09,440  
his markers those were his words to get

811  
00:45:13,750 --> 00:45:11,720  
it approved now what's the result of

812  
00:45:15,820 --> 00:45:13,760  
that if you go down any supermarket and

813  
00:45:18,430 --> 00:45:15,830

pick up a can of Diet Coke Diet Pepsi

814

00:45:20,650 --> 00:45:18,440

any soft drink and you read the back of

815

00:45:22,240 --> 00:45:20,660

it it's got aspartate on it you got any

816

00:45:26,740 --> 00:45:22,250

restaurant get those little blue packets

817

00:45:29,680 --> 00:45:26,750

aspartame so here's a case where this is

818

00:45:32,650 --> 00:45:29,690

clearly a conspiracy it's science

819

00:45:35,200 --> 00:45:32,660

is the pawn in the game but what's

820

00:45:37,630 --> 00:45:35,210

really going on is big business billions

821

00:45:40,120 --> 00:45:37,640

of dollars made by Searle and Monsanto

822

00:45:42,430 --> 00:45:40,130

millions and millions of dollars made by

823

00:45:44,680 --> 00:45:42,440

Rumsfeld many people don't realize the

824

00:45:47,260 --> 00:45:44,690

wealth that that guy accumulated from

825

00:45:49,750 --> 00:45:47,270

this single COO that he was able to pull

826

00:45:52,470 --> 00:45:49,760

off in terms of doing an end run on the

827

00:45:55,300 --> 00:45:52,480

FDA doesn't this kind of stuff go on

828

00:45:59,250 --> 00:45:55,310

time and time again and it's just

829

00:46:03,820 --> 00:45:59,260

underneath our personal radar well

830

00:46:06,460 --> 00:46:03,830

Rumsfeld by the way is also making money

831

00:46:08,440 --> 00:46:06,470

through Gilead which is one of the

832

00:46:11,440 --> 00:46:08,450

biggest manufacturers of the

833

00:46:14,160 --> 00:46:11,450

antiretroviral drug

834

00:46:18,579 --> 00:46:14,170

and in particular those that are being

835

00:46:23,430 --> 00:46:18,589

currently touted as a prevention against

836

00:46:26,940 --> 00:46:23,440

the infection but we think Rumsfeld

837

00:46:31,120 --> 00:46:26,950

believed he was doing something wrong

838

00:46:35,049 --> 00:46:31,130

say I don't I think human beings have a

839

00:46:39,279 --> 00:46:35,059

tremendous capacity for not seeing facts

840

00:46:43,509 --> 00:46:39,289

that that contradict what their beliefs

841

00:46:49,269 --> 00:46:43,519

are and a way of just shoving aside not

842

00:46:52,269 --> 00:46:49,279

thinking about unpleasant things here's

843

00:46:55,920 --> 00:46:52,279

a here's a possible scenario somebody

844

00:47:00,269 --> 00:46:55,930

comes to Rumsfeld and and says look

845

00:47:04,299 --> 00:47:00,279

aspartame has got a a bad reputation and

846

00:47:07,870 --> 00:47:04,309

undeservedly bad reputation here are a

847

00:47:11,319 --> 00:47:07,880

couple of my well-qualified friends who

848

00:47:15,009 --> 00:47:11,329

can tell you about that can you help us

849

00:47:18,279 --> 00:47:15,019

to get around this situation absolutely

850

00:47:22,210 --> 00:47:18,289

I mean in some respects though you're

851

00:47:25,029 --> 00:47:22,220

defining in the clearest way the the

852

00:47:28,029 --> 00:47:25,039

origins of evil right I mean however you

853

00:47:31,390 --> 00:47:28,039

define an evil I mean that is it it's

854

00:47:33,549 --> 00:47:31,400

always the end justifies the means and

855

00:47:35,789 --> 00:47:33,559

every act that we could have the most

856

00:47:40,620 --> 00:47:35,799

horrible acts that we can imagine are

857

00:47:44,249 --> 00:47:40,630

justified in just that way right it's

858

00:47:48,910 --> 00:47:44,259

you know what I what I would say is that

859

00:47:52,089 --> 00:47:48,920

human beings have we we all have a

860

00:47:55,359 --> 00:47:52,099

capacity to get caught up in things

861

00:47:59,289 --> 00:47:55,369

where later we would wish we hadn't and

862

00:48:05,049 --> 00:47:59,299

that one part of what we need as a

863

00:48:09,269 --> 00:48:05,059

solution is a systemic situation where

864

00:48:13,829 --> 00:48:09,279

things can be done openly and where

865

00:48:20,390 --> 00:48:13,839

responsibility is seen to lie clearly

866

00:48:23,690 --> 00:48:20,400

secrecy as you know as a is a great help

867

00:48:26,660 --> 00:48:23,700

to the wrong things being done some of

868

00:48:29,930 --> 00:48:26,670

the people who have written about what's

869

00:48:33,080 --> 00:48:29,940

wrong with present-day medicine have

870

00:48:37,070 --> 00:48:33,090

pointed out that the clinical trials of

871

00:48:39,980 --> 00:48:37,080

drugs can be carried out without the

872

00:48:42,020 --> 00:48:39,990

results being published if the people

873

00:48:47,210 --> 00:48:42,030

who carried them out don't want to

874

00:48:51,560 --> 00:48:47,220

publish them so that a lot of drugs have

875

00:48:55,370 --> 00:48:51,570

apparently been approved because the FDA

876  
00:48:58,340 --> 00:48:55,380  
was given a couple of successful trials

877  
00:49:01,670 --> 00:48:58,350  
and there were a dozen unsuccessful

878  
00:49:04,730 --> 00:49:01,680  
trials hidden away in drawers somewhere

879  
00:49:08,680 --> 00:49:04,740  
the file drawer problem yeah dr. Barr

880  
00:49:11,270 --> 00:49:08,690  
what are some practical and realistic

881  
00:49:13,430 --> 00:49:11,280  
changes that you'd like to see that

882  
00:49:15,590 --> 00:49:13,440  
could really come about I mean given

883  
00:49:17,990 --> 00:49:15,600  
that we're playing on a much bigger

884  
00:49:20,450 --> 00:49:18,000  
field than we can ever imagine and we'll

885  
00:49:23,090 --> 00:49:20,460  
never know all the power structures that

886  
00:49:26,510 --> 00:49:23,100  
exist in and what amount of influence

887  
00:49:29,440 --> 00:49:26,520  
they have realistically what can be done

888  
00:49:33,800 --> 00:49:29,450

and what might be done you've got to get

889

00:49:35,750 --> 00:49:33,810

some sort of political influence and

890

00:49:39,170 --> 00:49:35,760

that's pretty difficult at the moment

891

00:49:43,100 --> 00:49:39,180

because things are so ideologically

892

00:49:47,120 --> 00:49:43,110

split so you got to try to find some

893

00:49:52,060 --> 00:49:47,130

sort of things that seem good to both

894

00:49:56,210 --> 00:49:52,070

sides and I think that openness of

895

00:50:03,110 --> 00:49:56,220

critiquing and data and so on is one

896

00:50:08,060 --> 00:50:03,120

possibility for that that's what I mean

897

00:50:12,500 --> 00:50:08,070

about the the science court what I would

898

00:50:16,450 --> 00:50:12,510

like to see is a situation where Peter

899

00:50:22,130 --> 00:50:16,460

gallo a Peter Duesberg and Robert Gallo

900

00:50:25,250 --> 00:50:22,140

are presenting opposing sides in a forum

901  
00:50:28,670 --> 00:50:25,260  
where there are independent evaluators

902  
00:50:31,220 --> 00:50:28,680  
present and each of them is allowed

903  
00:50:32,930 --> 00:50:31,230  
perhaps with the assistance of of

904  
00:50:36,440 --> 00:50:32,940  
lawyers or whatever

905  
00:50:40,400 --> 00:50:36,450  
each is allowed to cross-examine the

906  
00:50:43,730 --> 00:50:40,410  
other person so you would begin with a

907  
00:50:48,589 --> 00:50:43,740  
claim like carbon dioxide in the

908  
00:50:53,839 --> 00:50:48,599  
atmosphere is appreciably contributing

909  
00:50:56,870 --> 00:50:53,849  
to warming okay the person proposing

910  
00:51:01,370 --> 00:50:56,880  
that is asked to provide the evidence

911  
00:51:03,800 --> 00:51:01,380  
and then each little bit of evidence can

912  
00:51:08,500 --> 00:51:03,810  
be argued about but it's got to be done

913  
00:51:12,079 --> 00:51:08,510

in public where people can see how the

914

00:51:15,620 --> 00:51:12,089

reactions go you know one of the things

915

00:51:19,220 --> 00:51:15,630

I'm trying to tell people is you should

916

00:51:23,569 --> 00:51:19,230

not be afraid of judging technical

917

00:51:27,680 --> 00:51:23,579

issues what you can do is you can look

918

00:51:31,309 --> 00:51:27,690

at the way in which people respond if

919

00:51:36,260 --> 00:51:31,319

you ask Robert Gallo what is the proof

920

00:51:39,740 --> 00:51:36,270

that HIV causes AIDS he'll fly off the

921

00:51:42,230 --> 00:51:39,750

handle he'll say they've been hundreds

922

00:51:44,950 --> 00:51:42,240

of thousands of papers published about

923

00:51:49,550 --> 00:51:44,960

it why don't you go and read them and

924

00:51:52,010 --> 00:51:49,560

this is not an answer but the media have

925

00:51:57,620 --> 00:51:52,020

been letting him get away with it for 30

926  
00:52:01,809 --> 00:51:57,630  
years so I think forcing people to

927  
00:52:05,109 --> 00:52:01,819  
answer publicly is an important issue

928  
00:52:07,670 --> 00:52:05,119  
isn't it would be an important

929  
00:52:10,370 --> 00:52:07,680  
contribute at the things getting better

930  
00:52:15,380 --> 00:52:10,380  
but I don't think it can be done

931  
00:52:21,109 --> 00:52:15,390  
effectively through committee hearings

932  
00:52:25,370 --> 00:52:21,119  
in Congress because the observers and

933  
00:52:29,240 --> 00:52:25,380  
the media in particular automatically

934  
00:52:31,089 --> 00:52:29,250  
dismiss what the experts say who are on

935  
00:52:33,109 --> 00:52:31,099  
the other side of the political spectrum

936  
00:52:35,300 --> 00:52:33,119  
well and it's not always on the

937  
00:52:38,450 --> 00:52:35,310  
political spectrum it's all often just

938  
00:52:41,450 --> 00:52:38,460

they're very much into defending the

939

00:52:44,420 --> 00:52:41,460

status quo and and we don't know exactly

940

00:52:46,310 --> 00:52:44,430

what is the the impetus for that

941

00:52:49,370 --> 00:52:46,320

what is the controlling factors for the

942

00:52:51,200 --> 00:52:49,380

but it's clearer and it's obvious as far

943

00:52:53,300 --> 00:52:51,210

as your other point and with the science

944

00:52:55,760 --> 00:52:53,310

Court I mean a couple obvious problems I

945

00:52:59,840 --> 00:52:55,770

see with it is one is that we're doing

946

00:53:01,580 --> 00:52:59,850

an under on on science now we have to

947

00:53:04,730 --> 00:53:01,590

admit that the peer review process

948

00:53:08,630 --> 00:53:04,740

doesn't work that the the whole

949

00:53:10,970 --> 00:53:08,640

enterprise of unbiased investigation and

950

00:53:13,040 --> 00:53:10,980

discovery has kind of failed and we need

951  
00:53:14,570 --> 00:53:13,050  
this kind of patchwork fix on the other

952  
00:53:15,380 --> 00:53:14,580  
end I think a lot of people would have

953  
00:53:18,050 --> 00:53:15,390  
problems with that

954  
00:53:20,030 --> 00:53:18,060  
but the bigger problem I see is the one

955  
00:53:21,770 --> 00:53:20,040  
that you mentioned and I've experienced

956  
00:53:23,510 --> 00:53:21,780  
it in a small way on this show and

957  
00:53:26,540 --> 00:53:23,520  
that's that what I found is that when

958  
00:53:29,510 --> 00:53:26,550  
people don't talk they're they're

959  
00:53:31,670 --> 00:53:29,520  
they're admitting defeat so on somebody

960  
00:53:34,370 --> 00:53:31,680  
controversial controversial issues I've

961  
00:53:36,260 --> 00:53:34,380  
tackled I've been able to get one person

962  
00:53:38,450 --> 00:53:36,270  
on board and then when you try and get

963  
00:53:40,520 --> 00:53:38,460

the other person on board they go for a

964

00:53:42,350 --> 00:53:40,530

little while until they see that they

965

00:53:44,090 --> 00:53:42,360

really don't have a position and then

966

00:53:46,880 --> 00:53:44,100

they back off and they don't want to

967

00:53:48,470 --> 00:53:46,890

come out and publicly be exposed for

968

00:53:50,810 --> 00:53:48,480

their position and they'll make all

969

00:53:52,780 --> 00:53:50,820

sorts of ruckus on the internet and

970

00:53:55,280 --> 00:53:52,790

they'll say all sorts of inflammatory

971

00:53:56,870 --> 00:53:55,290

outrageous things but when you say ok

972

00:54:00,020 --> 00:53:56,880

let's engage we'll do it in a neutral

973

00:54:01,670 --> 00:54:00,030

site we'll do it on another show I don't

974

00:54:04,250 --> 00:54:01,680

have to be involved I'll just bring

975

00:54:06,230 --> 00:54:04,260

these two experts together no no they

976  
00:54:08,540 --> 00:54:06,240  
won't have it and and and whether they

977  
00:54:11,840 --> 00:54:08,550  
whether they know on a conscious level

978  
00:54:14,360 --> 00:54:11,850  
that their that their ideas aren't going

979  
00:54:15,920 --> 00:54:14,370  
to stack up or whether they've just kind

980  
00:54:18,020 --> 00:54:15,930  
of internalized it in some kind of

981  
00:54:20,810 --> 00:54:18,030  
subconscious way that hey don't go there

982  
00:54:22,970 --> 00:54:20,820  
it could you could not look so good for

983  
00:54:26,300 --> 00:54:22,980  
me I don't know but I've seen it happen

984  
00:54:29,750 --> 00:54:26,310  
over and over again yes exactly that and

985  
00:54:33,470 --> 00:54:29,760  
that's precisely why we need some sort

986  
00:54:37,400 --> 00:54:33,480  
of a forum that on the one hand has

987  
00:54:43,400 --> 00:54:37,410  
social Authority and on the other hand

988  
00:54:47,390 --> 00:54:43,410

is not one-sided or biased and the court

989

00:54:50,720 --> 00:54:47,400

system seems to be the you know the best

990

00:54:53,660 --> 00:54:50,730

way that we've found so far of doing

991

00:54:55,820 --> 00:54:53,670

something like that where you know the

992

00:54:59,359 --> 00:54:55,830

important thing in the court system is

993

00:55:05,660 --> 00:54:59,369

people cannot really evade

994

00:55:08,239 --> 00:55:05,670

the issues and proceedings are open so

995

00:55:13,160 --> 00:55:08,249

that everybody can be informed about

996

00:55:16,329 --> 00:55:13,170

what is going on at the moment you have

997

00:55:19,430 --> 00:55:16,339

people on different sides of these so

998

00:55:22,160 --> 00:55:19,440

supposedly scientific issues you have

999

00:55:25,120 --> 00:55:22,170

them talking past one another

1000

00:55:28,970 --> 00:55:25,130

I've put together a bibliography of

1001  
00:55:32,089 --> 00:55:28,980  
critiques of medicine that has nearly a

1002  
00:55:35,980 --> 00:55:32,099  
hundred books and and articles and so on

1003  
00:55:39,950 --> 00:55:35,990  
on earth and some of these books are by

1004  
00:55:44,660 --> 00:55:39,960  
editors of the New England Journal of

1005  
00:55:48,970 --> 00:55:44,670  
Medicine professors at Harvard eminent

1006  
00:55:52,759 --> 00:55:48,980  
people publishing books from mainstream

1007  
00:55:57,200 --> 00:55:52,769  
respected publishers and nothing changes

1008  
00:56:00,529 --> 00:55:57,210  
they have pointed out the ills that have

1009  
00:56:03,349 --> 00:56:00,539  
come from the domination by the

1010  
00:56:05,390 --> 00:56:03,359  
pharmaceutical industry they've given

1011  
00:56:09,200 --> 00:56:05,400  
chapter and verse about that they've

1012  
00:56:13,579 --> 00:56:09,210  
documented fines that have been paid and

1013  
00:56:16,670 --> 00:56:13,589

how the drug company's behavior has not

1014

00:56:19,849 --> 00:56:16,680

changed after they pay these fines

1015

00:56:23,150 --> 00:56:19,859

because they're trivial compared to the

1016

00:56:27,430 --> 00:56:23,160

profits they make from the illegal

1017

00:56:31,009 --> 00:56:27,440

marketing and so on but all of these

1018

00:56:34,579 --> 00:56:31,019

books many of them published in the last

1019

00:56:35,680 --> 00:56:34,589

decade or so it's really increasing

1020

00:56:39,650 --> 00:56:35,690

dramatically

1021

00:56:42,920 --> 00:56:39,660

it hasn't changed the the mainstream

1022

00:56:46,789 --> 00:56:42,930

professional associations and so on feel

1023

00:56:49,190 --> 00:56:46,799

no need to respond now that's really I

1024

00:56:52,609 --> 00:56:49,200

think one of the the real dramatic

1025

00:56:55,970 --> 00:56:52,619

changes in shifts is that dissent isn't

1026

00:56:58,729 --> 00:56:55,980

what it used to be it valued the way it

1027

00:57:01,220 --> 00:56:58,739

used to be and in fact it's turned the

1028

00:57:03,950 --> 00:57:01,230

other way around where where no one does

1029

00:57:06,559 --> 00:57:03,960

feel a need to kind of respond to the

1030

00:57:08,289 --> 00:57:06,569

dissenters other than if they can make a

1031

00:57:12,800 --> 00:57:08,299

fool out of them or put them down but

1032

00:57:15,470 --> 00:57:12,810

the dissent is going to riot so

1033

00:57:18,950 --> 00:57:15,480

Crowder where does this work take you

1034

00:57:22,280 --> 00:57:18,960

from here obviously you're you're still

1035

00:57:24,680 --> 00:57:22,290

a part of the sse which is an important

1036

00:57:27,440 --> 00:57:24,690

organization in advancing a lot of these

1037

00:57:29,690 --> 00:57:27,450

ideas that don't fit in the mainstream

1038

00:57:31,820 --> 00:57:29,700

and and you're still involved with that

1039

00:57:33,680 --> 00:57:31,830

where is your work taking you what are

1040

00:57:37,400 --> 00:57:33,690

some of the topics that have really

1041

00:57:39,470 --> 00:57:37,410

popped up into your radar as areas that

1042

00:57:42,410 --> 00:57:39,480

that maybe need our attention in terms

1043

00:57:45,650 --> 00:57:42,420

of knowledge monopolies and research

1044

00:57:49,250 --> 00:57:45,660

cartels I've gotten very much into

1045

00:57:52,490 --> 00:57:49,260

medical matters stimulated in part by

1046

00:57:56,470 --> 00:57:52,500

personal experiences that that led me to

1047

00:57:59,960 --> 00:57:56,480

realize that the usual so-called

1048

00:58:02,750 --> 00:57:59,970

biomarkers that are used and not really

1049

00:58:06,650 --> 00:58:02,760

valid you know everybody believes blood

1050

00:58:10,010 --> 00:58:06,660

pressure indicates the possibility of a

1051

00:58:13,220 --> 00:58:10,020

risk of stroke and heart disease and

1052

00:58:17,750 --> 00:58:13,230

heart attack and and so on and that

1053

00:58:21,320 --> 00:58:17,760

cholesterol buildup is dangerous these

1054

00:58:24,520 --> 00:58:21,330

are simply not true and there's even an

1055

00:58:28,340 --> 00:58:24,530

Institute of Medicine report on

1056

00:58:29,840 --> 00:58:28,350

biomarkers that says it flat out it

1057

00:58:32,780 --> 00:58:29,850

doesn't say it flat out

1058

00:58:36,500 --> 00:58:32,790

you've got to read between the lines but

1059

00:58:40,970 --> 00:58:36,510

the data they give show it quite clearly

1060

00:58:43,970 --> 00:58:40,980

and some other people I know who have

1061

00:58:49,220 --> 00:58:43,980

personally suffered from it pointed out

1062

00:58:53,830 --> 00:58:49,230

to me the catastrophe of psychiatric

1063

00:58:58,370 --> 00:58:53,840

drugs one of the most prominent

1064

00:59:01,790 --> 00:58:58,380

psychiatrists David Healy has written a

1065

00:59:08,090 --> 00:59:01,800

stunning book called Farmageddon in

1066

00:59:13,570 --> 00:59:08,100

which he describes how over prescribed

1067

00:59:17,530 --> 00:59:13,580

drugs in general are how incompetently

1068

00:59:22,790 --> 00:59:17,540

or actually deliberately incompetently

1069

00:59:24,630 --> 00:59:22,800

tested they are and and it's really a

1070

00:59:28,350 --> 00:59:24,640

disaster you know

1071

00:59:32,040 --> 00:59:28,360

the labels antidepressant anti-anxiety

1072

00:59:36,150 --> 00:59:32,050

mood stabiliser and so on are totally

1073

00:59:39,030 --> 00:59:36,160

unjustified because those drugs don't do

1074

00:59:43,020 --> 00:59:39,040

the specific things that the label

1075

00:59:45,990 --> 00:59:43,030

claims that they do they just they give

1076

00:59:47,460 --> 00:59:46,000

the brain a jolt and then there's all

1077

00:59:49,110 --> 00:59:47,470

sorts of other problems right I mean

1078

00:59:51,320 --> 00:59:49,120

just in terms of whether they're

1079

00:59:55,050 --> 00:59:51,330

effective I me and depressants have been

1080

00:59:58,020 --> 00:59:55,060

outed for the last at least 10 20 years

1081

01:00:00,600 --> 00:59:58,030

as being not more effective than placebo

1082

01:00:03,030 --> 01:00:00,610

and then there's also the decline effect

1083

01:00:05,790 --> 01:00:03,040

that we have no idea we have no idea

1084

01:00:09,560 --> 01:00:05,800

what's going on in terms of why these

1085

01:00:11,460 --> 01:00:09,570

clinical trials over time show less

1086

01:00:13,740 --> 01:00:11,470

effectiveness time and there's so many

1087

01:00:16,770 --> 01:00:13,750

mysteries one of the topics we've

1088

01:00:19,320 --> 01:00:16,780

focused on mostly on this show is the

1089

01:00:22,260 --> 01:00:19,330

whole issue of human consciousness

1090

01:00:25,800 --> 01:00:22,270

because I think it's in many ways at the

1091

01:00:29,760 --> 01:00:25,810

center of this dogmatism and that's this

1092

01:00:32,250 --> 01:00:29,770

idea that all human experience is a

1093

01:00:34,050 --> 01:00:32,260

product of the brain and of course this

1094

01:00:36,480 --> 01:00:34,060

has been falsified not only

1095

01:00:38,540 --> 01:00:36,490

philosophically but experimentally over

1096

01:00:41,280 --> 01:00:38,550

and over again and you know I was just

1097

01:00:44,910 --> 01:00:41,290

recently I interviewed Jeffery Schwartz

1098

01:00:46,800 --> 01:00:44,920

who's a research psychiatrist at UCLA

1099

01:00:50,340 --> 01:00:46,810

School of Medicine right out here in Los

1100

01:00:52,850 --> 01:00:50,350

Angeles who is another story for your

1101

01:00:56,400 --> 01:00:52,860

book you know he is groundbreaking

1102

01:00:59,970 --> 01:00:56,410

research on OCD and obsessive-compulsive

1103

01:01:02,640 --> 01:00:59,980

disorder that clearly shows that this

1104

01:01:04,590 --> 01:01:02,650

mind equals brain connection that is at

1105

01:01:07,890 --> 01:01:04,600

the center of this idea of consciousness

1106

01:01:11,190 --> 01:01:07,900

is falsified and what he gets out of it

1107

01:01:12,900 --> 01:01:11,200

is this somebody I think his head of

1108

01:01:15,240 --> 01:01:12,910

department told him directly look you're

1109

01:01:17,730 --> 01:01:15,250

lucky you still have a job so can have

1110

01:01:19,920 --> 01:01:17,740

you know pica in any and he openly

1111

01:01:22,680 --> 01:01:19,930

admits because I am I am lucky I still

1112

01:01:24,810 --> 01:01:22,690

have a job because he sees how this is

1113

01:01:27,990 --> 01:01:24,820

the kind of stuff that is career-ending

1114

01:01:30,630 --> 01:01:28,000

for a lot of people so grind I'm not as

1115

01:01:33,390 --> 01:01:30,640

optimistic as you are that the change

1116

01:01:36,150 --> 01:01:33,400

can really come I think the the more we

1117

01:01:38,070 --> 01:01:36,160

dig into this the mysteries get bigger

1118

01:01:40,470 --> 01:01:38,080

and bigger

1119

01:01:43,100 --> 01:01:40,480

and some of the stuff that we we play

1120

01:01:46,830 --> 01:01:43,110

around with I think is is small potatoes

1121

01:01:48,780 --> 01:01:46,840

compared to some of the bigger paradigms

1122

01:01:51,870 --> 01:01:48,790

that we've become stuck in that really

1123

01:01:54,330 --> 01:01:51,880

keep us from moving forward right you

1124

01:01:59,870 --> 01:01:54,340

you may be the only person I know who's

1125

01:02:05,220 --> 01:02:03,060

think you are at heart I can I can see

1126

01:02:07,290 --> 01:02:05,230

it in your book again it's been a great

1127

01:02:10,530 --> 01:02:07,300

pleasure having you on folks the book is

1128

01:02:13,320 --> 01:02:10,540

dogmatism in science and medicine how

1129

01:02:16,710 --> 01:02:13,330

dominant theories monopolize research

1130

01:02:18,900 --> 01:02:16,720

and stifle the search for truth our

1131

01:02:20,430 --> 01:02:18,910

guest has been dr. Henry Bauer again

1132

01:02:23,190 --> 01:02:20,440

Henry thanks so much for joining me

1133

01:02:26,310 --> 01:02:23,200

thank you I enjoyed it Sara Lee this was

1134

01:02:28,170 --> 01:02:26,320

fun thanks again to dr. Henry Bauer for

1135

01:02:30,180 --> 01:02:28,180

joining me today on skeptic oh one

1136

01:02:32,880 --> 01:02:30,190

question to tee up from this interview

1137

01:02:34,410 --> 01:02:32,890

and that is how bad is it I'm the guy I

1138

01:02:36,270 --> 01:02:34,420

wrote the book why science is wrong

1139

01:02:38,130 --> 01:02:36,280

about almost everything and since

1140

01:02:39,870 --> 01:02:38,140

writing that book six months ago I got

1141

01:02:41,760 --> 01:02:39,880

to tell you I'm more and more convinced

1142

01:02:42,540 --> 01:02:41,770

that science is even more wrong than I

1143

01:02:44,850 --> 01:02:42,550

imagined

1144

01:02:46,650 --> 01:02:44,860

I think dr. Bauer's book adds a couple

1145

01:02:49,110 --> 01:02:46,660

more weights on the side of the scale

1146

01:02:51,390 --> 01:02:49,120

that says science is hopelessly running

1147

01:02:54,330 --> 01:02:51,400

off the rails but let's see what you

1148

01:02:57,030 --> 01:02:54,340

think maybe it's not as bad as I think

1149

01:02:59,340 --> 01:02:57,040

the place to share your opinions on this

1150

01:03:03,870 --> 01:02:59,350

or other shows is of course to the

1151

01:03:05,760 --> 01:03:03,880

skeptic Oh website at ske P tik o dot

1152

01:03:07,710 --> 01:03:05,770

com join us for a discussion on the

1153

01:03:09,600 --> 01:03:07,720

forum or send me an email or connect

1154

01:03:11,430 --> 01:03:09,610

with me on Facebook I have a couple of

1155

01:03:13,410 --> 01:03:11,440

good shows coming up there in the hopper

1156

01:03:16,080 --> 01:03:13,420

waiting for me to put them out and then

1157

01:03:18,630 --> 01:03:16,090

hopefully for you to listen to them by

1158

01:03:20,280 --> 01:03:18,640

the way dude share the skeptical love

1159

01:03:22,200 --> 01:03:20,290

with whoever you think might want to

1160

01:03:24,240 --> 01:03:22,210

hear about it share links with your

1161

01:03:25,410 --> 01:03:24,250

friends right about us blog about us I

1162

01:03:27,240 --> 01:03:25,420

know there's a lot of really smart

1163

01:03:29,310 --> 01:03:27,250

people out there who write blogs and

1164

01:03:30,900 --> 01:03:29,320

write books it's always gratifying to

1165

01:03:32,400 --> 01:03:30,910

hear you say that you like these

1166

01:03:34,440 --> 01:03:32,410

interviews and you use them in your

1167

01:03:36,240 --> 01:03:34,450

material and you link to them so if

1168

01:03:39,300 --> 01:03:36,250

that's something you feel inclined to do

1169

01:03:41,430 --> 01:03:39,310

please do it well that's going to take