



1  
00:00:00,600 --> 00:00:11,820

[Music]

2  
00:00:16,810 --> 00:00:14,709

so we recognize that science is not

3  
00:00:19,600 --> 00:00:16,820

something magical or even something

4  
00:00:22,600 --> 00:00:19,610

fixed it's a man-made it's a social

5  
00:00:24,730 --> 00:00:22,610

institution and the process of becoming

6  
00:00:27,460 --> 00:00:24,740

the science we know today it's pushed

7  
00:00:29,920 --> 00:00:27,470

aside other perspectives on reality

8  
00:00:35,170 --> 00:00:29,930

first religion and then some other

9  
00:00:37,900 --> 00:00:35,180

options sciences today mankind's

10  
00:00:40,479 --> 00:00:37,910

greatest generator of new knowledge and

11  
00:00:43,420 --> 00:00:40,489

it's also a verifier of new knowledge

12  
00:00:47,160 --> 00:00:43,430

regardless of where it comes from the

13  
00:00:50,079 --> 00:00:47,170

beta the database is absolutely huge

14

00:00:52,630 --> 00:00:50,089

science is a major force in modern

15

00:00:56,740 --> 00:00:52,640

society like it or not and it has many

16

00:01:00,160 --> 00:00:56,750

worldly classical consequences some good

17

00:01:03,100 --> 00:01:00,170

some bad now science works through the

18

00:01:09,070 --> 00:01:03,110

societal paradigm within which we live

19

00:01:11,440 --> 00:01:09,080

and even though the paradigm was

20

00:01:15,310 --> 00:01:11,450

initiated by science starting a few

21

00:01:19,179 --> 00:01:15,320

hundred years ago the paradigm now

22

00:01:22,469 --> 00:01:19,189

pervades every aspect of modern life it

23

00:01:25,749 --> 00:01:22,479

controls the uses of science

24

00:01:28,679 --> 00:01:25,759

applications it has many practical

25

00:01:32,109 --> 00:01:28,689

effects upon mankind and his planet and

26

00:01:36,219 --> 00:01:32,119

it's prevalent and dominating presence

27

00:01:39,459 --> 00:01:36,229

for every one of us by golly whether

28

00:01:41,560 --> 00:01:39,469

you're a scientist or you're not it

29

00:01:44,050 --> 00:01:41,570

governs how you think about yourself and

30

00:01:46,450 --> 00:01:44,060

your place in the world I got it sets

31

00:01:49,179 --> 00:01:46,460

much of your personal system of values

32

00:01:52,599 --> 00:01:49,189

attitudes and beliefs if you don't

33

00:01:54,700 --> 00:01:52,609

accept that just look a little deeper it

34

00:01:56,800 --> 00:01:54,710

struggling influences your ability to

35

00:01:59,410 --> 00:01:56,810

discriminate from one thing into the

36

00:02:01,539 --> 00:01:59,420

next and the decisions that you make and

37

00:02:06,700 --> 00:02:01,549

the relationships with people that you

38

00:02:08,770 --> 00:02:06,710

set up it's always there well science is

39

00:02:11,080 --> 00:02:08,780

changing now I think you can agree with

40

00:02:13,690 --> 00:02:11,090

that and the paradigm is changing too

41

00:02:19,330 --> 00:02:13,700

although much slower it's going to take

42

00:02:24,759 --> 00:02:22,160

centered central to all of this is to

43

00:02:31,490 --> 00:02:24,769

understand the limitations of science

44

00:02:33,880 --> 00:02:31,500

and how they're becoming more apparent

45

00:02:37,160 --> 00:02:33,890

with every generation

46

00:02:39,259 --> 00:02:37,170

what are these shortcomings of modern

47

00:02:42,500 --> 00:02:39,269

science let's spell them out

48

00:02:45,199 --> 00:02:42,510

many observed anomalous phenomena are

49

00:02:48,020 --> 00:02:45,209

taking place to which science has no

50

00:02:51,650 --> 00:02:48,030

understanding an explanation or even in

51  
00:02:54,949 --> 00:02:51,660  
many cases any means of exploring we all

52  
00:02:57,229 --> 00:02:54,959  
know about that one there occurring in

53  
00:02:59,229 --> 00:02:57,239  
psychology parapsychology the social

54  
00:03:02,660 --> 00:02:59,239  
sciences and even in quantum physics

55  
00:03:05,539 --> 00:03:02,670  
where human extension extends well

56  
00:03:08,390 --> 00:03:05,549  
beyond our senses and our instruments we

57  
00:03:11,089 --> 00:03:08,400  
know that now the human mind is an

58  
00:03:12,920 --> 00:03:11,099  
active agent and the observations that

59  
00:03:15,979 --> 00:03:12,930  
were making the experiments that were

60  
00:03:19,630 --> 00:03:15,989  
conducting not especially in healing the

61  
00:03:22,100 --> 00:03:19,640  
mind is involved for heaven's sakes

62  
00:03:24,170 --> 00:03:22,110  
there are instantaneous physical

63  
00:03:26,150 --> 00:03:24,180

interactions that can occur over great

64

00:03:30,080 --> 00:03:26,160

distances and some effects sometimes

65

00:03:33,440 --> 00:03:30,090

precede their causes top-down effects

66

00:03:35,449 --> 00:03:33,450

are real as much as if not more than the

67

00:03:37,930 --> 00:03:35,459

bottom-up effects that we get through

68

00:03:40,370 --> 00:03:37,940

our reductionism

69

00:03:43,280 --> 00:03:40,380

something's wrong with randomness it's

70

00:03:46,000 --> 00:03:43,290

not exactly what we think it is there

71

00:03:49,250 --> 00:03:46,010

are hidden factors taking place

72

00:03:52,580 --> 00:03:49,260

double-blind experiments well we've been

73

00:03:54,680 --> 00:03:52,590

living right in for a long time but we

74

00:03:56,090 --> 00:03:54,690

find out through our experiments that no

75

00:03:58,910 --> 00:03:56,100

one is fully blind

76  
00:04:01,670 --> 00:03:58,920  
how can you conduct a randomized control

77  
00:04:04,420 --> 00:04:01,680  
experiment when everybody knows at least

78  
00:04:08,539 --> 00:04:04,430  
at a subconscious level what's going on

79  
00:04:11,599 --> 00:04:08,549  
the second major shortcoming is that

80  
00:04:14,180 --> 00:04:11,609  
science is based on a set of root

81  
00:04:18,259 --> 00:04:14,190  
metaphysical assumptions that limit what

82  
00:04:20,750 --> 00:04:18,269  
it's qualified to explore and you know

83  
00:04:23,719 --> 00:04:20,760  
if your assumptions are violated or not

84  
00:04:26,980 --> 00:04:23,729  
supported you can't trust your results

85  
00:04:32,119 --> 00:04:26,990  
right we require objectivity

86  
00:04:35,689 --> 00:04:32,129  
measurability replicability and we have

87  
00:04:39,499 --> 00:04:35,699  
we are assuming causality mainly through

88  
00:04:43,249 --> 00:04:39,509

reductionism the third difficulty with

89

00:04:45,679 --> 00:04:43,259

science is that it has no built-in set

90

00:04:48,919 --> 00:04:45,689

of values to govern inquiry and

91

00:04:51,409 --> 00:04:48,929

especially application any and all

92

00:04:54,109 --> 00:04:51,419

applicate explorations in science are

93

00:04:57,109 --> 00:04:54,119

fair game right regardless of the

94

00:05:00,649 --> 00:04:57,119

consequences and this is a sacred right

95

00:05:03,019 --> 00:05:00,659

among scientists and some of those

96

00:05:10,969 --> 00:05:03,029

consequences are pretty horrendous you

97

00:05:16,159 --> 00:05:10,979

must agree well how are we going to deal

98

00:05:18,889 --> 00:05:16,169

with all this first we can observe one

99

00:05:22,790 --> 00:05:18,899

thing that there's a serious gap between

100

00:05:25,129 --> 00:05:22,800

the science and human life what science

101  
00:05:27,949 --> 00:05:25,139  
is saying about humans and what we know

102  
00:05:31,519 --> 00:05:27,959  
from our own experience as being humans

103  
00:05:34,069 --> 00:05:31,529  
doesn't quite match so in the human area

104  
00:05:36,790 --> 00:05:34,079  
science is a weak means for both

105  
00:05:40,279 --> 00:05:36,800  
discovery and validation the two major

106  
00:05:43,100 --> 00:05:40,289  
activities of science finding out new

107  
00:05:46,579 --> 00:05:43,110  
potential knowledge and verifying

108  
00:05:48,079 --> 00:05:46,589  
whether knowledge is true or not so this

109  
00:05:50,329 --> 00:05:48,089  
implies that we're going to have to go

110  
00:05:51,709 --> 00:05:50,339  
back to fundamentals right where does

111  
00:05:54,469 --> 00:05:51,719  
knowledge come from in the first place

112  
00:05:58,249 --> 00:05:54,479  
how do we gain access to it in order to

113  
00:06:00,949 --> 00:05:58,259

generate new knowledge why do why do we

114

00:06:04,069 --> 00:06:00,959

have to go back because the shortcomings

115

00:06:07,009 --> 00:06:04,079

of science can't be resolved within the

116

00:06:09,019 --> 00:06:07,019

same with the same level of at the same

117

00:06:13,549 --> 00:06:09,029

level perception of which they've become

118

00:06:15,409 --> 00:06:13,559

apparent we've got a step beyond we need

119

00:06:19,759 --> 00:06:15,419

another way of knowing besides the

120

00:06:22,939 --> 00:06:19,769

familiar scientifically this is so we

121

00:06:25,519 --> 00:06:22,949

can extend the present-day science into

122

00:06:29,209 --> 00:06:25,529

this fuller realm to embrace the mind

123

00:06:33,529 --> 00:06:29,219

and human factors as we know them

124

00:06:36,169 --> 00:06:33,539

personally so well so the solution must

125

00:06:39,619 --> 00:06:36,179

somehow derive from the subjective nam

126

00:06:41,339 --> 00:06:39,629

material a causal metal and parsley

127

00:06:43,290 --> 00:06:41,349

timeless domain

128

00:06:46,619 --> 00:06:43,300

from which the anomalous potential are

129

00:06:49,700 --> 00:06:46,629

arising we just can't avoid this we've

130

00:06:52,439 --> 00:06:49,710

got a dip in there for our solution

131

00:06:54,300 --> 00:06:52,449

important to SSC we were darn right

132

00:06:57,300 --> 00:06:54,310

we're already on the leading edge

133

00:06:59,550 --> 00:06:57,310

because we're exploring these many

134

00:07:02,339 --> 00:06:59,560

anomalous phenomena and how they're

135

00:07:05,909 --> 00:07:02,349

working we've got to continue doing this

136

00:07:07,439 --> 00:07:05,919

this is our charge but unfortunately

137

00:07:09,809 --> 00:07:07,449

we're still trying to study these

138

00:07:12,320 --> 00:07:09,819

anomalies by using the old methodology

139

00:07:16,350 --> 00:07:12,330

or at least a lot of us are doing this

140

00:07:19,260 --> 00:07:16,360

that's not gonna work so a major focus

141

00:07:21,120 --> 00:07:19,270

is needed now on new methodologies new

142

00:07:28,950 --> 00:07:21,130

ways of knowing new ways of acquiring

143

00:07:30,990 --> 00:07:28,960

knowledge that's our next challenge well

144

00:07:34,140 --> 00:07:31,000

what I want to do and the rest of my

145

00:07:36,689 --> 00:07:34,150

time is to present another way of

146

00:07:40,800 --> 00:07:36,699

acquiring knowledge that we could use

147

00:07:48,770 --> 00:07:40,810

may use in future science and give

148

00:07:55,100 --> 00:07:52,940

first of all man possesses I'll make

149

00:07:58,040 --> 00:07:55,110

this as an assertion and try to justify

150

00:08:00,800 --> 00:07:58,050

it certainly man possesses an innate

151  
00:08:03,440 --> 00:08:00,810  
capacity for accessing new information

152  
00:08:05,600 --> 00:08:03,450  
and knowledge directly without recourse

153  
00:08:09,350 --> 00:08:05,610  
to rationality sense perception or

154  
00:08:12,379 --> 00:08:09,360  
memory it's rightly called intuition or

155  
00:08:15,110 --> 00:08:12,389  
direct knowing or innate knowing or

156  
00:08:19,490 --> 00:08:15,120  
knows the Greek term from which we get

157  
00:08:21,590 --> 00:08:19,500  
gnosis and no Eddings intuitions a

158  
00:08:23,630 --> 00:08:21,600  
universal Faculty of the mind is

159  
00:08:28,490 --> 00:08:23,640  
practiced everywhere throughout human

160  
00:08:31,460 --> 00:08:28,500  
history and widely up until the rise of

161  
00:08:33,950 --> 00:08:31,470  
science itself it's an essential part of

162  
00:08:38,140 --> 00:08:33,960  
thought but it functions invisibly and

163  
00:08:40,670 --> 00:08:38,150

in the background it shows itself in

164

00:08:43,550 --> 00:08:40,680

serendipities and insights revelations

165

00:08:48,230 --> 00:08:43,560

gut feelings and the others that I've

166

00:08:52,280 --> 00:08:48,240

listed here mainly and if not entirely

167

00:08:53,810 --> 00:08:52,290

when the intellect is put at rest and

168

00:08:56,920 --> 00:08:53,820

turned off momentarily

169

00:09:00,020 --> 00:08:56,930

then it didn't then it leaks through

170

00:09:02,600 --> 00:09:00,030

more over intuition isn't a special gift

171

00:09:05,030 --> 00:09:02,610

that it belongs to a few people but it

172

00:09:07,760 --> 00:09:05,040

belongs to everybody that can develop be

173

00:09:10,310 --> 00:09:07,770

developed intentionally by anyone

174

00:09:14,240 --> 00:09:10,320

there's a very good evidence that this

175

00:09:16,720 --> 00:09:14,250

is so rather Hugh persons choose to

176

00:09:19,730 --> 00:09:16,730

develop intuition deliberately however

177

00:09:22,190 --> 00:09:19,740

how there's a class though of expert

178

00:09:24,130 --> 00:09:22,200

intuitive I call them that have done

179

00:09:27,860 --> 00:09:24,140

this and developed their intuitive

180

00:09:30,800 --> 00:09:27,870

ability into a refined skill you can do

181

00:09:33,079 --> 00:09:30,810

this too if you want to these expert

182

00:09:37,670 --> 00:09:33,089

intuitive's have been shown to have

183

00:09:40,190 --> 00:09:37,680

access to almost any information that's

184

00:09:42,500 --> 00:09:40,200

a very strong statement and I hope in

185

00:09:46,550 --> 00:09:42,510

the rest of the talk I can show you that

186

00:09:47,420 --> 00:09:46,560

it's true where is it what's a source of

187

00:09:52,340 --> 00:09:47,430

this knowledge

188

00:09:54,410 --> 00:09:52,350

well it seems it seems to be well known

189

00:09:58,490 --> 00:09:54,420

throughout history and in different

190

00:10:01,269 --> 00:09:58,500

areas it's called in in one sense the

191

00:10:03,309 --> 00:10:01,279

collective unconscious that's Carl Jung

192

00:10:05,379 --> 00:10:03,319

but it also goes by several of their

193

00:10:07,449 --> 00:10:05,389

names we don't have to wait for an

194

00:10:11,619 --> 00:10:07,459

explanation of the mechanism by which

195

00:10:13,720 --> 00:10:11,629

this source is working we don't we don't

196

00:10:24,160 --> 00:10:13,730

ask this for human language even though

197

00:10:26,379 --> 00:10:24,170

we use it every day but it's there there

198

00:10:28,509 --> 00:10:26,389

are popular examples of these expert

199

00:10:31,059 --> 00:10:28,519

intuitive so actually are functioning in

200

00:10:33,790 --> 00:10:31,069

the world many mystics prophets artists

201  
00:10:36,280 --> 00:10:33,800  
scientists and the best of today's

202  
00:10:39,790 --> 00:10:36,290  
spiritual teachers are functioning with

203  
00:10:42,489 --> 00:10:39,800  
intuition in this very effective way in

204  
00:10:45,340 --> 00:10:42,499  
the 1980s and this at the center of

205  
00:10:48,340 --> 00:10:45,350  
applied intuition in San Francisco we

206  
00:10:53,379 --> 00:10:48,350  
asked a question how far can we go in

207  
00:10:55,689 --> 00:10:53,389  
obtaining new knowledge intuitively what

208  
00:10:58,739 --> 00:10:55,699  
breadth of knowledge and how deeply can

209  
00:11:03,579 --> 00:10:58,749  
we go on how are you see is it to do it

210  
00:11:06,730 --> 00:11:03,589  
these expert intuitive's we use 10 of

211  
00:11:08,799 --> 00:11:06,740  
them and applied them to 15 unsolved

212  
00:11:11,559 --> 00:11:08,809  
problems that hadn't been accessible to

213  
00:11:16,030 --> 00:11:11,569

ordinary scientific or other means of

214

00:11:20,009 --> 00:11:16,040

solution the first four of them

215

00:11:23,549 --> 00:11:20,019

earthquake triggering bipolar depression

216

00:11:28,449 --> 00:11:23,559

HIV and recover of recovery of lost

217

00:11:31,990 --> 00:11:28,459

languages were all open unsolved

218

00:11:34,420 --> 00:11:32,000

problems and moreover they were amenable

219

00:11:39,100 --> 00:11:34,430

to scientific validation if we could get

220

00:11:41,980 --> 00:11:39,110

good answers ok several others were also

221

00:11:45,309 --> 00:11:41,990

unsolved but we were not optimistic

222

00:11:47,169 --> 00:11:45,319

about the possibility of solving them

223

00:11:50,160 --> 00:11:47,179

that is of getting evidence that would

224

00:11:52,629 --> 00:11:50,170

show that what we came up with is right

225

00:11:54,850 --> 00:11:52,639

cause and treatment a sudden infant

226

00:11:57,160 --> 00:11:54,860

death syndrome decontamination of

227

00:12:03,400 --> 00:11:57,170

nuclear waste material recovery of lost

228

00:12:06,790 --> 00:12:03,410

history and biographies of Imhotep

229

00:12:10,360 --> 00:12:06,800

and the pre-christian Jesus as Jesus

230

00:12:13,780 --> 00:12:10,370

before the church took over took him

231

00:12:16,809 --> 00:12:13,790

over those red spots there indicate that

232

00:12:18,759 --> 00:12:16,819

their books available in the bookstore

233

00:12:24,340 --> 00:12:18,769

if you want to pursue easier these

234

00:12:28,179 --> 00:12:24,350

further so information from me for these

235

00:12:30,360 --> 00:12:28,189

first floor were the studies were

236

00:12:33,879 --> 00:12:30,370

conducted and validated through

237

00:12:36,040 --> 00:12:33,889

scientific methods the last one

238

00:12:40,090 --> 00:12:36,050

business consulting and personal

239

00:12:42,670 --> 00:12:40,100

counseling were self validated partially

240

00:12:46,389 --> 00:12:42,680

self validated just do the the actual

241

00:12:48,069 --> 00:12:46,399

use of them there are other similar

242

00:12:50,639 --> 00:12:48,079

findings that have come from non CI

243

00:12:53,470 --> 00:12:50,649

studies mineral exploration exploration

244

00:12:55,809 --> 00:12:53,480

archaeology finding lost objects

245

00:12:58,720 --> 00:12:55,819

military intelligence medicine medical

246

00:13:01,809 --> 00:12:58,730

diagnosis I think most of you know about

247

00:13:06,550 --> 00:13:01,819

these and these were largely self

248

00:13:08,530 --> 00:13:06,560

verifying these references are at the

249

00:13:13,900 --> 00:13:08,540

bottom but I'll put them I'll show them

250

00:13:16,059 --> 00:13:13,910

again at the end first first of these

251  
00:13:18,040 --> 00:13:16,069  
four areas which I'm going to discuss as

252  
00:13:24,990 --> 00:13:18,050  
evidence for the effectiveness of

253  
00:13:28,650 --> 00:13:25,000  
intuitive inquiry in the ninth in 1975

254  
00:13:31,179 --> 00:13:28,660  
seismology was virtually at a standstill

255  
00:13:32,590 --> 00:13:31,189  
the earth the core of the earth had been

256  
00:13:34,269 --> 00:13:32,600  
roughly mapped and we knew her

257  
00:13:35,889 --> 00:13:34,279  
earthquakes are occurring all over the

258  
00:13:38,290 --> 00:13:35,899  
globe so we had a kind of long-range

259  
00:13:40,389 --> 00:13:38,300  
prediction of where they were going to

260  
00:13:41,470 --> 00:13:40,399  
happen next but we had no short-range

261  
00:13:44,740 --> 00:13:41,480  
prediction at all

262  
00:13:46,660 --> 00:13:44,750  
a few earth measurements are being made

263  
00:13:48,999 --> 00:13:46,670

where the earth has lifted how much it's

264

00:13:52,809 --> 00:13:49,009

lifting and higher and so forth but it

265

00:13:55,449 --> 00:13:52,819

was trivial so an intuitive consensus

266

00:13:58,269 --> 00:13:55,459

study was undertaken in on earthquake

267

00:14:01,299 --> 00:13:58,279

triggering and its associated precursors

268

00:14:04,079 --> 00:14:01,309

that is the signals that could be used

269

00:14:09,059 --> 00:14:04,089

to be measured to detect what's going on

270

00:14:13,960 --> 00:14:09,069

we used eight expert intuitive in 1975

271

00:14:16,900 --> 00:14:13,970

for and 75 for 1977 well the consensus

272

00:14:19,960 --> 00:14:16,910

was rich in new information

273

00:14:23,730 --> 00:14:19,970

here's a paragraph just so as a very

274

00:14:26,230 --> 00:14:23,740

random example taken from these studies

275

00:14:36,760 --> 00:14:26,240

I'll let you read it I won't try to read

276

00:14:44,290 --> 00:14:40,060

well this was incredible at the time it

277

00:14:46,150 --> 00:14:44,300

was totally far out because no one had

278

00:14:49,900 --> 00:14:46,160

been looking into the atmosphere or

279

00:14:51,970 --> 00:14:49,910

space or electromagnetic phenomena there

280

00:14:53,829 --> 00:14:51,980

were no conceivable mechanisms at hand

281

00:14:58,050 --> 00:14:53,839

to explain how they could have anything

282

00:15:02,740 --> 00:15:00,730

several new precursors were named some

283

00:15:06,100 --> 00:15:02,750

mechanisms are explained various cross

284

00:15:08,070 --> 00:15:06,110

effects were identified and there was no

285

00:15:11,380 --> 00:15:08,080

contradiction with the firmly

286

00:15:12,790 --> 00:15:11,390

established seismological knowledge so

287

00:15:16,000 --> 00:15:12,800

what are we going to do with this

288

00:15:19,120 --> 00:15:16,010

well we carried it to the seismologist

289

00:15:22,090 --> 00:15:19,130

but nobody was interested not surprising

290

00:15:26,710 --> 00:15:22,100

I suppose so we published the article

291

00:15:30,670 --> 00:15:26,720

that an experiment forgot about it in

292

00:15:33,910 --> 00:15:30,680

too old one I2o one one we did a careful

293

00:15:35,740 --> 00:15:33,920

review of intuitive insights conducted

294

00:15:39,130 --> 00:15:35,750

by comparing them against published

295

00:15:41,470 --> 00:15:39,140

geophysics articles first in 1975 to

296

00:15:43,900 --> 00:15:41,480

show that this information was not

297

00:15:46,900 --> 00:15:43,910

already known and then again in the

298

00:15:47,819 --> 00:15:46,910

period up to 2010 to show what had been

299

00:15:50,949 --> 00:15:47,829

verified

300

00:15:53,860 --> 00:15:50,959

almost all the intuitive information was

301

00:15:58,030 --> 00:15:53,870

verified by ongoing research in that

302

00:16:00,460 --> 00:15:58,040

period satellite observations during the

303

00:16:04,569 --> 00:16:00,470

eight 1980s from other geophysical

304

00:16:07,449 --> 00:16:04,579

research in the 1990s and 2000's a few

305

00:16:09,389 --> 00:16:07,459

points were still unverified like the

306

00:16:12,010 --> 00:16:09,399

effects of the planets on earthquakes

307

00:16:17,590 --> 00:16:12,020

but nothing was found it was downright

308

00:16:19,630 --> 00:16:17,600

wrong several new precursors are a good

309

00:16:22,840 --> 00:16:19,640

bet for a future earthquake prediction

310

00:16:25,210 --> 00:16:22,850

system seismology is now a space-based

311

00:16:28,120 --> 00:16:25,220

rather than a ground-based operation

312

00:16:32,530 --> 00:16:28,130

it's actually a big subject a major

313

00:16:34,630 --> 00:16:32,540

subfield of geophysics conclusion if the

314

00:16:36,579 --> 00:16:34,640

results of this study had been heeded

315

00:16:38,889 --> 00:16:36,589

earlier it could have saved much

316

00:16:41,710 --> 00:16:38,899

confusion in time that's for sure

317

00:16:44,680 --> 00:16:41,720

the intuitive consensus inquiry could

318

00:16:47,290 --> 00:16:44,690

easily be extended now to get more

319

00:16:49,460 --> 00:16:47,300

details similar studies could greatly

320

00:16:53,360 --> 00:16:49,470

benefit future where could you

321

00:16:56,810 --> 00:16:53,370

physics and science generally another

322

00:17:00,470 --> 00:16:56,820

area bipolar depression or manic

323

00:17:03,410 --> 00:17:00,480

depression manic depressive disorder at

324

00:17:05,590 --> 00:17:03,420

this in 1980 was an almost complete

325

00:17:08,240 --> 00:17:05,600

mystery there were a few jeanna

326

00:17:11,150 --> 00:17:08,250

indications of genetic factors involved

327

00:17:16,400 --> 00:17:11,160

and lithium was being used as a partial

328

00:17:18,590 --> 00:17:16,410

treatment which way to go and intuitive

329

00:17:21,620 --> 00:17:18,600

consensus study was a undertaken using

330

00:17:23,990 --> 00:17:21,630

six expert into "tis to determine the

331

00:17:29,180 --> 00:17:24,000

best direction this work was done with

332

00:17:30,860 --> 00:17:29,190

dr. Paul Groff several new insights were

333

00:17:33,470 --> 00:17:30,870

obtained on the development and

334

00:17:36,470 --> 00:17:33,480

physiology and treatment good consensus

335

00:17:39,850 --> 00:17:36,480

on many important points major findings

336

00:17:42,650 --> 00:17:39,860

the overall problem is terribly complex

337

00:17:45,620 --> 00:17:42,660

despite very simple systems so it's like

338

00:17:50,650 --> 00:17:45,630

cancer genetic approach would be very

339

00:17:57,350 --> 00:17:53,390

lithium doses are should be reduced

340

00:18:00,910 --> 00:17:57,360

they're too large and 209 these findings

341

00:18:03,530 --> 00:18:00,920

relative to ongoing search on BD since

342

00:18:07,580 --> 00:18:03,540

1975 was carried out as we did for the

343

00:18:12,800 --> 00:18:07,590

earthquakes strikingly correct on ten

344

00:18:15,920 --> 00:18:12,810

major insights research is still stuck

345

00:18:19,130 --> 00:18:15,930

now despite massive data collection and

346

00:18:22,100 --> 00:18:19,140

written analysis much still remains to

347

00:18:25,090 --> 00:18:22,110

be verified conclusion intuitive

348

00:18:27,680 --> 00:18:25,100

consensus has significant potential for

349

00:18:30,080 --> 00:18:27,690

obtaining needed knowledge on mood

350

00:18:34,730 --> 00:18:30,090

disorders psychiatric problems and

351

00:18:39,800 --> 00:18:34,740

medicine generally another study was

352

00:18:43,850 --> 00:18:39,810

done on AIDS in 1993 and it was verified

353

00:18:46,670 --> 00:18:43,860

in about 2010 same sort of thing

354

00:18:50,390 --> 00:18:46,680

happened one of the main conclusions is

355

00:18:54,770 --> 00:18:50,400

HIV is an essential contributory to AIDS

356

00:18:59,030 --> 00:18:54,780

but is not is not its root cause are you

357

00:19:00,920 --> 00:18:59,040

listening Henry the susceptibility lies

358

00:19:03,290 --> 00:19:00,930

in the infection

359

00:19:06,740 --> 00:19:03,300

- the infection lives in a severely

360

00:19:08,510 --> 00:19:06,750

depressed immune system well we're gonna

361

00:19:11,020 --> 00:19:08,520

have to skip the recovery of the lost

362

00:19:13,820 --> 00:19:11,030

language since we're out of time

363

00:19:15,650 --> 00:19:13,830

conclusions almost any needed

364

00:19:18,140 --> 00:19:15,660

information could be obtained through

365

00:19:22,610 --> 00:19:18,150

intuitive inquiry the evidence that this

366

00:19:25,640 --> 00:19:22,620

is possible is now strong and actually

367

00:19:27,980 --> 00:19:25,650

sufficient there are four conditions for

368

00:19:31,130 --> 00:19:27,990

its accuracy coverage and success namely

369

00:19:34,340 --> 00:19:31,140

work with only expert intuitive either

370

00:19:37,669 --> 00:19:34,350

yourself or hire an expert into it

371

00:19:40,220 --> 00:19:37,679

either that's either yourself or hire an

372

00:19:42,549 --> 00:19:40,230

expert into 'ti the inquiry questions

373

00:19:47,000 --> 00:19:42,559

have to be clear and non perceptive and

374

00:19:49,340 --> 00:19:47,010

objective no explanations needed strong

375

00:19:52,690 --> 00:19:49,350

and clear motivation for applying the

376

00:19:56,960 --> 00:19:52,700

new knowledge not just curiosity and no

377

00:19:58,940 --> 00:19:56,970

harmful harmful consequences if there

378

00:20:01,760 --> 00:19:58,950

are any these will block the information

379

00:20:04,490 --> 00:20:01,770

so this has profound the implications

380

00:20:07,100 --> 00:20:04,500

for the future of science for generation

381

00:20:10,370 --> 00:20:07,110

of knowledge generally and of course for

382

00:20:12,140 --> 00:20:10,380

the role of SSE in this process I'll

383

00:20:15,799 --> 00:20:12,150

have to skip over the individual

384

00:20:18,590 --> 00:20:15,809

challenge and just skip to this point

385

00:20:19,669 --> 00:20:18,600

that's a lot for us as individuals to do

386

00:20:22,850 --> 00:20:19,679

ok

387

00:20:28,669 --> 00:20:22,860

thanks very much thank you

388

00:20:35,299 --> 00:20:28,679

time for questions now any questions of

389

00:20:36,500 --> 00:20:35,309

this hi Ron westrom I I was editor of a

390

00:20:38,350 --> 00:20:36,510

little newsletter for quite a while

391

00:20:40,610 --> 00:20:38,360

called the social psychology of science

392

00:20:42,470 --> 00:20:40,620

and I got very interested in intuition

393

00:20:45,770 --> 00:20:42,480

and its role in both science and

394

00:20:47,660 --> 00:20:45,780

engineering one of the first things that

395

00:20:50,270 --> 00:20:47,670

one notices about this is it's a very

396

00:20:52,640 --> 00:20:50,280

unequally distributed skill intuition

397

00:20:54,860 --> 00:20:52,650

we're very important equally distributed

398

00:20:57,530 --> 00:20:54,870

some people have it in great degree and

399

00:20:58,970 --> 00:20:57,540

some people not very much typically

400

00:21:00,830 --> 00:20:58,980

people who think of themselves as

401  
00:21:04,520 --> 00:21:00,840  
theorists have an extraordinary degree

402  
00:21:06,680 --> 00:21:04,530  
of intuition and the the level of some

403  
00:21:08,720 --> 00:21:06,690  
people Tesla would be a fine example of

404  
00:21:10,370 --> 00:21:08,730  
this it's just absolutely amazing in

405  
00:21:11,630 --> 00:21:10,380  
terms of their ability to model in their

406  
00:21:15,560 --> 00:21:11,640  
mind

407  
00:21:17,900 --> 00:21:15,570  
systems and so forth it's also something

408  
00:21:20,870 --> 00:21:17,910  
that's I think strongly tested by the

409  
00:21:24,260 --> 00:21:20,880  
myers-briggs scale intuitive versus

410  
00:21:25,070 --> 00:21:24,270  
sensor and I think that's a it's a very

411  
00:21:26,660 --> 00:21:25,080  
interesting thing

412  
00:21:29,030 --> 00:21:26,670  
Sall Restivo has a book called the

413  
00:21:31,340 --> 00:21:29,040

subjective side of science and compares

414

00:21:33,710 --> 00:21:31,350

the Apollo moon scientists in terms of

415

00:21:35,510 --> 00:21:33,720

their love of either data or theory and

416

00:21:37,880 --> 00:21:35,520

shows that each one thinks for the

417

00:21:40,310 --> 00:21:37,890

others as unscientific could I answer

418

00:21:42,919 --> 00:21:40,320

that part first before you load my brain

419

00:21:44,780 --> 00:21:42,929

with other part of the question I would

420

00:21:47,450 --> 00:21:44,790

say that they are speaking here not

421

00:21:50,570 --> 00:21:47,460

about their intuitive ability but there

422

00:21:52,370 --> 00:21:50,580

but there the way they have actually

423

00:21:55,789 --> 00:21:52,380

developed it into something useful

424

00:21:58,460 --> 00:21:55,799

the a lot of other works says that we

425

00:22:00,500 --> 00:21:58,470

are all equally intuitive it's just a

426

00:22:03,590 --> 00:22:00,510

matter of how much we let out allow

427

00:22:06,470 --> 00:22:03,600

ourselves to be that way you see okay

428

00:22:13,070 --> 00:22:06,480

but go further people waiting so I'm

429

00:22:14,930 --> 00:22:13,080

gonna just one spot Patterson I was just

430

00:22:18,080 --> 00:22:14,940

curious and maybe I missed that how do

431

00:22:21,950 --> 00:22:18,090

you identify who's an expert intuitive

432

00:22:22,430 --> 00:22:21,960

or how did you and good let's go about

433

00:22:25,880 --> 00:22:22,440

that

434

00:22:28,789 --> 00:22:25,890

good question when we did this work in

435

00:22:32,060 --> 00:22:28,799

the 90s 80s the there were intuitive's

436

00:22:35,870 --> 00:22:32,070

coming off the wall so we had no there

437

00:22:39,430 --> 00:22:35,880

was no lack of applicants but we

438

00:22:42,560 --> 00:22:39,440

screened them pretty carefully partly on

439

00:22:45,799 --> 00:22:42,570

to come it get information which they

440

00:22:48,680 --> 00:22:45,809

had no way of know access to partly of

441

00:22:51,140 --> 00:22:48,690

which they might have access to but we

442

00:22:53,510 --> 00:22:51,150

could corroborate with it partially with

443

00:22:56,840 --> 00:22:53,520

old things like the history of sin

444

00:22:59,480 --> 00:22:56,850

ancient individual and partly by their

445

00:23:01,430 --> 00:22:59,490

work on actual applications that we were

446

00:23:03,860 --> 00:23:01,440

working on or we could compare their

447

00:23:06,530 --> 00:23:03,870

results with others who had preceded

448

00:23:08,930 --> 00:23:06,540

them this was our way of doing it but

449

00:23:11,480 --> 00:23:08,940

actually this was just a game because we

450

00:23:20,350 --> 00:23:11,490

had a pretty strong intuitive sense who

451  
00:23:30,230 --> 00:23:26,360  
um I have to confess to a certain opera

452  
00:23:34,040 --> 00:23:30,240  
or a suspicion of intuition and to note

453  
00:23:37,210 --> 00:23:34,050  
that a full discussion of your talk

454  
00:23:40,669 --> 00:23:37,220  
would be longer than your talk was but I

455  
00:23:43,850 --> 00:23:40,679  
I will restrain myself to noting that

456  
00:23:46,400 --> 00:23:43,860  
I'm not terribly impressed by the list

457  
00:23:48,020 --> 00:23:46,410  
of scientific confirmations because at

458  
00:23:50,540 --> 00:23:48,030  
least some of the things you're scoring

459  
00:23:52,940 --> 00:23:50,550  
as hits our Barnum statements that would

460  
00:23:59,720 --> 00:23:52,950  
be true of almost any research program

461  
00:24:04,490 --> 00:23:59,730  
still in progress okay I'll have to say

462  
00:24:07,070 --> 00:24:04,500  
I guess the main answer to that is the

463  
00:24:08,990 --> 00:24:07,080

information the evidence is sound but

464

00:24:10,580 --> 00:24:09,000

what I could talk about today is

465

00:24:16,180 --> 00:24:10,590

certainly not a long list of the

466

00:24:21,820 --> 00:24:16,190

arguments for or against certainly many

467

00:24:29,090 --> 00:24:24,620

authenticating the results that we have

468

00:24:31,520 --> 00:24:29,100

and that would be an indication that

469

00:24:34,850 --> 00:24:31,530

people who have looked at this carefully

470

00:24:37,910 --> 00:24:34,860

are saying yes yes it's right what I can

471

00:24:39,820 --> 00:24:37,920

say now is very limited thank you very