



1
00:00:07,700 --> 00:00:04,789
our next talk will be by vilem fun fun

2
00:00:13,999 --> 00:00:07,710
and barrack and he will be speaking

3
00:00:16,490 --> 00:00:14,009
about party Benin burg he'll be speaking

4
00:00:19,880 --> 00:00:16,500
about and we're asking a question was it

5
00:00:52,680 --> 00:00:19,890
an illusion a quantitative analysis of

6
00:01:11,230 --> 00:01:00,310
can you hear me now I don't seem very

7
00:01:14,580 --> 00:01:11,240
loud oh okay well you seem to have

8
00:01:24,790 --> 00:01:14,590
started the video a little prematurely

9
00:01:27,010 --> 00:01:24,800
get back to that okay well I spent 30

10
00:01:30,070 --> 00:01:27,020
years as a teacher of first and second

11
00:01:32,650 --> 00:01:30,080
year physics and possibly as a

12
00:01:36,040 --> 00:01:32,660
consequence of that deep down as a

13
00:01:39,100 --> 00:01:36,050

matter of faith I don't believe that any

14

00:01:42,280 --> 00:01:39,110

of the so-called paranormal phenomena

15

00:01:44,969 --> 00:01:42,290

that people study is possible however

16

00:01:48,400 --> 00:01:44,979

I'm still fascinated by phenomena like

17

00:01:51,160 --> 00:01:48,410

psychokinetic metalbending and I was

18

00:01:56,680 --> 00:01:51,170

excited to find a way to test firsthand

19

00:02:00,279 --> 00:01:56,690

whether it is possible I've seen

20

00:02:02,620 --> 00:02:00,289

professional Mentalist of Anu performed

21

00:02:05,260 --> 00:02:02,630

several times since first seeing him at

22

00:02:09,669 --> 00:02:05,270

the ice cream social at the SSC

23

00:02:12,490 --> 00:02:09,679

conference last year and then on an

24

00:02:15,910 --> 00:02:12,500

occasion in this past March I gave him a

25

00:02:17,620 --> 00:02:15,920

marked stainless steel spoon and

26

00:02:20,890 --> 00:02:17,630

recorded video of him bending and

27

00:02:23,770 --> 00:02:20,900

twisting it and then at home I performed

28

00:02:25,960 --> 00:02:23,780

some experiments on identical spoons

29

00:02:27,580 --> 00:02:25,970

which showed that what he did could not

30

00:02:30,580 --> 00:02:27,590

have been accomplished by ordinary

31

00:02:32,860 --> 00:02:30,590

muscular effort and I put all of that

32

00:02:38,320 --> 00:02:32,870

into a movie which I'm now going to show

33

00:02:42,430 --> 00:02:38,330

you hopefully let's see I guess I don't

34

00:02:44,920 --> 00:02:42,440

even know which but is this the yes okay

35

00:02:47,589 --> 00:02:44,930

that's that's equivalent to clicking so

36

00:02:49,900 --> 00:02:47,599

on March 3rd 2016 I handed Mentalist

37

00:02:52,320 --> 00:02:49,910

Allen knew a spoon like this that I had

38

00:02:55,290 --> 00:02:52,330

bought from a restaurant supply company

39

00:02:58,690 --> 00:02:55,300

and you can see there I have marked

40

00:03:00,610 --> 00:02:58,700

marked a letter M or W depending on how

41

00:03:04,420 --> 00:03:00,620

you hold it and here he is here's the

42

00:03:11,949 --> 00:03:04,430

shot as me filming him

43

00:03:13,449 --> 00:03:11,959

now we should have audio oh come on all

44

00:03:23,140 --> 00:03:13,459

right sorry

45

00:03:35,170 --> 00:03:23,150

oh it was on mute just rewind just a

46

00:03:37,149 --> 00:03:35,180

little bit no more there okay again

47

00:03:43,349 --> 00:03:37,159

we're gonna create the most amount of

48

00:03:45,849 --> 00:03:43,359

energy you're making me embarrassed

49

00:03:59,020 --> 00:03:45,859

Chinese called Qi Gong with something

50

00:04:00,610 --> 00:03:59,030

like this oh my god oh my god don't move

51
00:04:09,980 --> 00:04:00,620
it around too much I can't follow you

52
00:04:09,990 --> 00:04:27,890
you are he was amazing

53
00:05:01,140 --> 00:04:30,480
can you well I don't want you to break

54
00:05:18,530 --> 00:05:01,150
it whatever way what you say 360 360

55
00:05:22,290 --> 00:05:18,540
sometimes it's doing thank you

56
00:05:24,060 --> 00:05:22,300
so there's there the two spoons the

57
00:05:26,159 --> 00:05:24,070
actual spoon is the one I'm holding in

58
00:05:29,130 --> 00:05:26,169
my hand that's the lower image and the

59
00:05:31,140 --> 00:05:29,140
other one is services of before but it's

60
00:05:33,570 --> 00:05:31,150
actually a different spoon now it looked

61
00:05:36,420 --> 00:05:33,580
like he affected 180 degree twist in the

62
00:05:38,460 --> 00:05:36,430
handle simply by mental intention but

63
00:05:40,890 --> 00:05:38,470

could he possibly have served ish ously

64

00:05:42,630 --> 00:05:40,900

used muscular force to do it the next

65

00:05:44,700 --> 00:05:42,640

part of this movie analyzes how much

66

00:05:46,980 --> 00:05:44,710

torque would have had to been we could

67

00:05:53,040 --> 00:05:46,990

have been required and how much we could

68

00:05:55,940 --> 00:05:53,050

have a quote here they were bought at

69

00:05:59,070 --> 00:05:55,950

the same time from the same source

70

00:06:05,190 --> 00:05:59,080

identical to the spoon that I gave to

71

00:06:09,870 --> 00:06:05,200

mr. knew except that I've had some bolts

72

00:06:12,990 --> 00:06:09,880

some hex head bolts welded to this

73

00:06:18,120 --> 00:06:13,000

so that I can attach them to a torque

74

00:06:22,650 --> 00:06:18,130

wrench which I'm going to do so there

75

00:06:26,690 --> 00:06:22,660

are the two spoons or before now first

76

00:06:32,990 --> 00:06:26,700

I'm going to take this spoon and

77

00:06:37,880 --> 00:06:33,000

brutally bend it in half as mr. new did

78

00:06:41,400 --> 00:06:37,890

and then straighten it out as he did

79

00:06:45,780 --> 00:06:41,410

just in case this bending and rhe

80

00:06:51,860 --> 00:06:45,790

straightening might weaken the structure

81

00:07:00,550 --> 00:06:51,870

so that's easy to twist having done this

82

00:07:13,790 --> 00:07:05,560

and put the torque wrench on like so let

83

00:07:21,850 --> 00:07:16,670

can't quite see there's a reflection

84

00:07:26,450 --> 00:07:25,010

that's pretty good so the first thing I

85

00:07:32,930 --> 00:07:26,460

want to do is see how much torque I

86

00:07:38,830 --> 00:07:32,940

could put on without deforming the

87

00:07:45,580 --> 00:07:38,840

middle so let's try that

88

00:07:48,529 --> 00:07:45,590

spoon bends a bit but it snaps back to

89

00:07:53,240 --> 00:07:48,539

its original position original

90

00:08:03,080 --> 00:07:53,250

conformation keep snapping back so I can

91

00:08:07,460 --> 00:08:03,090

put 25 looks like about 25 inch pounds

92

00:08:14,850 --> 00:08:07,470

and it still doesn't deform go the other

93

00:08:20,899 --> 00:08:18,089

it tends to go right back to where it

94

00:08:24,330 --> 00:08:20,909

started from so what I'm going to do now

95

00:08:27,510 --> 00:08:24,340

is see how much torque okay 20 20 inch

96

00:08:30,179 --> 00:08:27,520

pounds doesn't deform it permanently

97

00:08:37,230 --> 00:08:30,189

it's not very much so let me see what I

98

00:08:46,410 --> 00:08:37,240

can do in terms of completely twisting

99

00:09:12,170 --> 00:08:46,420

it 180 degrees start I'll start here I'm

100

00:09:17,559 --> 00:09:15,129

so that

101
00:09:28,420 --> 00:09:17,569
yes rather drastically permanently

102
00:09:38,090 --> 00:09:31,990
here's a measurement of how much torque

103
00:09:40,670 --> 00:09:38,100
can be exerted on the spoon by my bare

104
00:09:46,420 --> 00:09:40,680
hands so here's the torque wrench

105
00:09:50,090 --> 00:09:46,430
mounted in a vise I'm going to grab this

106
00:10:03,350 --> 00:09:50,100
wrench just to show that I what I'm

107
00:10:16,509 --> 00:10:05,720
so I can exert quite a lot of torque by

108
00:10:34,030 --> 00:10:16,519
using this adjustable wrench but I know

109
00:10:43,000 --> 00:10:38,230
they can't exert much force at all much

110
00:10:51,920 --> 00:10:43,010
torque brother lots of horse minimal

111
00:10:51,930 --> 00:10:55,330
I am

112
00:11:07,930 --> 00:10:59,690
using as much force as I can but the

113
00:11:07,940 --> 00:11:17,470

at most maybe eighty five inch pounds

114

00:11:29,660 --> 00:11:23,660

let's take a look at what happens when I

115

00:11:31,460 --> 00:11:29,670

try to use both hands to deform the

116

00:11:37,880 --> 00:11:31,470

spoon this is the one I haven't deformed

117

00:11:47,410 --> 00:11:37,890

yet and I won't be able to with both

118

00:11:57,310 --> 00:11:52,160

maybe a couple of inch pounds but I

119

00:12:08,250 --> 00:11:57,320

would need ten times as much to

120

00:12:14,620 --> 00:12:11,889

so this is about it the upper one is a

121

00:12:17,350 --> 00:12:14,630

spoon I twisted in the movie and the

122

00:12:20,980 --> 00:12:17,360

lower picture is the actual spoon that

123

00:12:23,769 --> 00:12:20,990

mr. new twisted without using muscular

124

00:12:26,829 --> 00:12:23,779

force and that concludes the video and

125

00:12:30,240 --> 00:12:26,839

all I would say in summary is that would

126
00:12:34,689 --> 00:12:30,250
have taken 25 inch pounds of torque to

127
00:12:37,750 --> 00:12:34,699
do this but he had it was not possible

128
00:12:45,360 --> 00:12:37,760
for a person with bare hands to do that

129
00:13:00,699 --> 00:12:47,980
and I don't know there are few seconds

130
00:13:02,139 --> 00:13:00,709
for questions first alone is a good

131
00:13:05,350 --> 00:13:02,149
personal friend of mine

132
00:13:07,360 --> 00:13:05,360
Oh thee it absolutely is a trick I can

133
00:13:11,530 --> 00:13:07,370
show you how to read in fact last year

134
00:13:14,319 --> 00:13:11,540
at Sunset Station we had a seminar

135
00:13:17,129 --> 00:13:14,329
teaching people specifically how to do

136
00:13:20,050 --> 00:13:17,139
it I can tell you anytime you see this

137
00:13:21,699 --> 00:13:20,060
around the neck you know but your hands

138
00:13:24,939 --> 00:13:21,709

or anywhere it disappears

139

00:13:28,420 --> 00:13:24,949

it's a trick now we have seen I know

140

00:13:30,850 --> 00:13:28,430

jack aqueous teach macro PK where it's

141

00:13:35,019 --> 00:13:30,860

like this and there's no physical force

142

00:13:37,030 --> 00:13:35,029

on that but Alon is using physical force

143

00:13:48,490 --> 00:13:37,040

and he does teach it under the right

144

00:13:56,379 --> 00:13:48,500

circumstances I don't believe you well

145

00:13:58,030 --> 00:13:56,389

he taught how to do it well I have one

146

00:14:00,730 --> 00:13:58,040

of the spoons from last year that I saw

147

00:14:03,939 --> 00:14:00,740

being bent and I think it may have been

148

00:14:07,689 --> 00:14:03,949

by the same guy yeah yeah and and and

149

00:14:10,420 --> 00:14:07,699

then I I found a spoon you know on one

150

00:14:12,069 --> 00:14:10,430

of the trays at that snack area that was

151
00:14:13,449 --> 00:14:12,079
the same kind and I saved that one too

152
00:14:15,880 --> 00:14:13,459
so not quite as controlled as what you

153
00:14:18,010 --> 00:14:15,890
did but if anyone has ideas about how to

154
00:14:22,510 --> 00:14:18,020
do further analysis let me know

155
00:14:24,280 --> 00:14:22,520
and you might anyway the only flaw that

156
00:14:28,269 --> 00:14:24,290
I see that was pointed out to me by

157
00:14:29,980 --> 00:14:28,279
Garret Liddell is that he he bent the

158
00:14:35,050 --> 00:14:29,990
spoon in half and then straightening it

159
00:14:37,720 --> 00:14:35,060
again without you know and then did the

160
00:14:39,340 --> 00:14:37,730
thing with 180 degree twist I'll be more

161
00:14:41,170 --> 00:14:39,350
specific I mean like it might be

162
00:14:42,340 --> 00:14:41,180
interesting to look it at a

163
00:14:47,889 --> 00:14:42,350

cross-section with an electron

164

00:14:49,840 --> 00:14:47,899

microscope or something yeah so I mean I

165

00:14:51,460 --> 00:14:49,850

do believe it's possible you know like

166

00:14:53,500 --> 00:14:51,470

you've been spoon with your minds but I

167

00:14:55,690 --> 00:14:53,510

do agree that's probably your trick

168

00:14:57,880 --> 00:14:55,700

there is a show and Discovery Channel

169

00:14:59,800 --> 00:14:57,890

where we do claim something similar

170

00:15:00,670 --> 00:14:59,810

happens to your mind and was discussing

171

00:15:02,230 --> 00:15:00,680

with Dean Radin

172

00:15:04,840 --> 00:15:02,240

you can actually you know has long

173

00:15:08,079 --> 00:15:04,850

sleeves is like piece of metal that can

174

00:15:08,560 --> 00:15:08,089

come out that can in you know incredible

175

00:15:11,470 --> 00:15:08,570

torch

176

00:15:14,970 --> 00:15:11,480

this is spoon I gave him and the spoon

177

00:15:17,560 --> 00:15:14,980

he gave back to me while I was filming

178

00:15:19,680 --> 00:15:17,570

yeah but you can you can have it devised

179

00:15:26,440 --> 00:15:19,690

that comes out of you Steve and you can

180

00:15:28,810 --> 00:15:26,450

to twist this like that trick he was

181

00:15:30,400 --> 00:15:28,820

using let's see Superman I believe it's

182

00:15:37,269 --> 00:15:30,410

a tricky this specific one is a trick

183

00:15:39,850 --> 00:15:37,279

okay I am here in Borden I teach spin

184

00:15:43,000 --> 00:15:39,860

bending about 10% of people can do it

185

00:15:46,510 --> 00:15:43,010

including the spiral rotation and so I

186

00:15:48,639 --> 00:15:46,520

just invite anyone to meet up with me

187

00:15:51,790 --> 00:15:48,649

either you know during the conference