



FIRE



FRICTION

1
00:00:07,249 --> 00:00:04,220
hi this is my quest of Medibank org and

2
00:00:07,870 --> 00:00:07,259
this video is debunking 9/11 microspheres

3
00:00:10,700 --> 00:00:07,880
myths

4
00:00:13,220 --> 00:00:10,710
what are microspheres what do they have

5
00:00:15,320 --> 00:00:13,230
to do with 9/11 how do we debunk them

6
00:00:17,920 --> 00:00:15,330
and why should we bother I shall attempt

7
00:00:20,870 --> 00:00:17,930
to answer all of these questions

8
00:00:23,480 --> 00:00:20,880
microspheres are microscopic spheres is

9
00:00:25,670 --> 00:00:23,490
somewhat a penny these are made of iron

10
00:00:28,460 --> 00:00:25,680
and they range in size from around half

11
00:00:29,929 --> 00:00:28,470
a millimeter to around 50 microns that's

12
00:00:33,319 --> 00:00:29,939
under a thousandth of an inch that's

13
00:00:35,420 --> 00:00:33,329

very very small how do you make micro

14

00:00:37,459 --> 00:00:35,430

spheres well any sufficiently small

15

00:00:39,920 --> 00:00:37,469

volume of liquid will tend to form into

16

00:00:41,810 --> 00:00:39,930

a sphere because of surface tension the

17

00:00:43,280 --> 00:00:41,820

smaller it is the more spherical it's

18

00:00:45,560 --> 00:00:43,290

going to be the more perfectly spherical

19

00:00:46,940 --> 00:00:45,570

while the tiny drops of water here if

20

00:00:48,470 --> 00:00:46,950

you look at the drops at the top that

21

00:00:50,000 --> 00:00:48,480

are smaller they're a lot more spherical

22

00:00:52,760 --> 00:00:50,010

than the larger drops which are moving

23

00:00:55,490 --> 00:00:52,770

around the same thing works with a

24

00:00:57,709 --> 00:00:55,500

liquid metal - here's some liquid metal

25

00:01:00,889 --> 00:00:57,719

at room temperature and you'll see that

26

00:01:03,290 --> 00:01:00,899

the very very small drops especially on

27

00:01:06,950 --> 00:01:03,300

the right side here are very very

28

00:01:10,219 --> 00:01:06,960

spherical if you pour some liquid metal

29

00:01:12,950 --> 00:01:10,229

from a high place like this shot-tower

30

00:01:14,539 --> 00:01:12,960

for example it's gonna make spheres shot

31

00:01:17,390 --> 00:01:14,549

towers were used about a hundred years

32

00:01:19,850 --> 00:01:17,400

ago to make LED shot they poured molten

33

00:01:22,070 --> 00:01:19,860

lead from the top of this tower inside

34

00:01:25,160 --> 00:01:22,080

it into a water bath at the bottom and

35

00:01:26,899 --> 00:01:25,170

as it fell it formed into drops it

36

00:01:28,670 --> 00:01:26,909

cooled enough to solidify and then they

37

00:01:30,499 --> 00:01:28,680

caught it in the water bath and let's

38

00:01:34,760 --> 00:01:30,509

made these little balls of light which

39

00:01:37,210 --> 00:01:34,770

we use for LED shot but the spheres I'm

40

00:01:41,870 --> 00:01:37,220

interested in are iron the spheres and

41

00:01:45,200 --> 00:01:41,880

iron melts at around 1600 degrees here's

42

00:01:48,560 --> 00:01:45,210

a video of some molten iron the molten

43

00:01:49,819 --> 00:01:48,570

iron is splashing around and all the

44

00:01:51,889 --> 00:01:49,829

sparks that are coming out and make this

45

00:01:53,240 --> 00:01:51,899

little microspheres you see some very

46

00:01:55,670 --> 00:01:53,250

big spheres but it's also a bunch of

47

00:01:58,399 --> 00:01:55,680

lower ones in that to be liquid he needs

48

00:02:01,819 --> 00:01:58,409

to be 1,600 degrees or higher around

49

00:02:06,260 --> 00:02:01,829

that meaning is white-hot quick

50

00:02:09,139 --> 00:02:06,270

chemistry point steel is 98% iron it's

51
00:02:10,760 --> 00:02:09,149
98% iron 2 percent carbon and a few

52
00:02:12,650 --> 00:02:10,770
other little things depending on the

53
00:02:13,390 --> 00:02:12,660
type of steel so we're going to use the

54
00:02:16,930 --> 00:02:13,400
term steel

55
00:02:18,789 --> 00:02:16,940
I mean interchangeably here sorta I in

56
00:02:21,430 --> 00:02:18,799
Mecca spheres have to do with 9/11 well

57
00:02:23,649 --> 00:02:21,440
on 9/11 when the Twin Towers of the

58
00:02:26,410 --> 00:02:23,659
World Trade Center collapsed it created

59
00:02:28,479 --> 00:02:26,420
a lot of dust and this dust covered a

60
00:02:29,890 --> 00:02:28,489
wide area downtown New York and those

61
00:02:31,089 --> 00:02:29,900
lot concern in the weeks after the

62
00:02:33,130 --> 00:02:31,099
collapse about the possible health

63
00:02:34,839 --> 00:02:33,140

effects these concerns as we know were

64

00:02:36,580 --> 00:02:34,849

well-founded lots of people breathed in

65

00:02:38,710 --> 00:02:36,590

the dust and many people later became

66

00:02:40,809 --> 00:02:38,720

ill at the time the main concern was

67

00:02:43,930 --> 00:02:40,819

asbestos obviously but we really didn't

68

00:02:45,190 --> 00:02:43,940

know what was in the dust so various

69

00:02:47,530 --> 00:02:45,200

people had done a whole bunch of studies

70

00:02:49,509 --> 00:02:47,540

trying to figure this out well the first

71

00:02:51,309 --> 00:02:49,519

one which done just a month after 9/11

72

00:02:53,110 --> 00:02:51,319

by the Ground Zero elected officials

73

00:02:56,800 --> 00:02:53,120

Task Force there was a bunch of others

74

00:03:00,430 --> 00:02:56,810

the USGS this Millette study another one

75

00:03:05,680 --> 00:03:00,440

by Millette the EPA did one in 2003 and

76
00:03:08,050 --> 00:03:05,690
in 2003 RJ Lee a consulting company did

77
00:03:10,390 --> 00:03:08,060
a report on 130 Liberty Street which was

78
00:03:12,640 --> 00:03:10,400
a building quite close to the South

79
00:03:13,990 --> 00:03:12,650
Tower that was badly damaged and they

80
00:03:15,640 --> 00:03:14,000
wanted to see what was in the dust that

81
00:03:17,500 --> 00:03:15,650
was in that building and they found

82
00:03:20,440 --> 00:03:17,510
amongst other things some iron

83
00:03:22,690 --> 00:03:20,450
microspheres in 2005 was an early study

84
00:03:26,559 --> 00:03:22,700
by the USGS and they they also found

85
00:03:29,199 --> 00:03:26,569
microspheres a couple of years later the

86
00:03:31,030 --> 00:03:29,209
advocates of the 9/11 controlled

87
00:03:33,129 --> 00:03:31,040
demolition theory which are people who

88
00:03:34,420 --> 00:03:33,139

believe that the World Trade Center was

89

00:03:37,599 --> 00:03:34,430

destroyed by a controlled demolition

90

00:03:39,339 --> 00:03:37,609

they noticed these reports that had

91

00:03:41,920 --> 00:03:39,349

these microspheres in and they thought

92

00:03:44,439 --> 00:03:41,930

like what how does this fit in with our

93

00:03:48,369 --> 00:03:44,449

theory as if it in with the controlled

94

00:03:51,550 --> 00:03:48,379

demolition theory and in 2008 dr. Steven

95

00:03:54,580 --> 00:03:51,560

Jones proposed that the spheres were

96

00:03:57,220 --> 00:03:54,590

explained by nano thermite demolition

97

00:03:59,800 --> 00:03:57,230

and that the spheres hence were evidence

98

00:04:01,869 --> 00:03:59,810

of nano thermite demolition and he

99

00:04:04,210 --> 00:04:01,879

published a paper in 2008 on on this

100

00:04:05,830 --> 00:04:04,220

subject so how do you get from I am

101

00:04:08,319 --> 00:04:05,840

microspheres to controlled demolition

102

00:04:10,569 --> 00:04:08,329

here's the logic behind that theory iron

103

00:04:12,369 --> 00:04:10,579

microspheres means molten iron because

104

00:04:13,479 --> 00:04:12,379

you have to have behind to be molten for

105

00:04:16,420 --> 00:04:13,489

the surface tension to form them into

106

00:04:20,140 --> 00:04:16,430

Spears that's true iron melts at around

107

00:04:22,630 --> 00:04:20,150

1,600 degrees Celsius also true building

108

00:04:25,899 --> 00:04:22,640

fires burn at 1100 degree Celsius more

109

00:04:27,100 --> 00:04:25,909

or less that's also true thermite burns

110

00:04:28,719 --> 00:04:27,110

at 22

111

00:04:31,089 --> 00:04:28,729

degrees Celsius another thing which is

112

00:04:34,179 --> 00:04:31,099

true all these things are true therefore

113

00:04:37,990 --> 00:04:34,189

the argument goes the IMAX fears come

114

00:04:41,200 --> 00:04:38,000

from the thermite this is incorrect we

115

00:04:42,700 --> 00:04:41,210

will come to that later and the argument

116

00:04:44,379 --> 00:04:42,710

goes on there's lots of them therefore

117

00:04:45,760 --> 00:04:44,389

there must have been some kind of

118

00:04:49,330 --> 00:04:45,770

controlled demolition with a whole bunch

119

00:04:51,309 --> 00:04:49,340

of thermite proved 100% now this theory

120

00:04:54,700 --> 00:04:51,319

has been around as I said since 2008 and

121

00:04:56,909 --> 00:04:54,710

it's now 2018 but list theory is still

122

00:04:59,320 --> 00:04:56,919

going strong this is a current page on

123

00:05:01,600 --> 00:04:59,330

architects and engineers for 9/11 truth

124

00:05:04,149 --> 00:05:01,610

and they're talking about this paper by

125

00:05:07,240 --> 00:05:04,159

Steven Jones as if it is still current

126

00:05:08,649 --> 00:05:07,250

science and if it still does mean what

127

00:05:11,649 --> 00:05:08,659

they say it means and they talk about

128

00:05:14,439 --> 00:05:11,659

how it must have had molten metal being

129

00:05:16,390 --> 00:05:14,449

sprayed into the air and they say unless

130

00:05:18,189 --> 00:05:16,400

their site very specifically this very

131

00:05:19,959 --> 00:05:18,199

simple argument very very simple and

132

00:05:21,879 --> 00:05:19,969

straightforward and logical high heat

133

00:05:24,129 --> 00:05:21,889

results in spherical particles particles

134

00:05:25,480 --> 00:05:24,139

of iron which it does I unders not melt

135

00:05:28,300 --> 00:05:25,490

until fifteen hundred and thirty-eight

136

00:05:30,580 --> 00:05:28,310

degrees see also true fires were 1,100

137

00:05:33,820 --> 00:05:30,590

degrees see also true and they use this

138

00:05:34,959 --> 00:05:33,830

as what they say has been conclusive

139

00:05:37,390 --> 00:05:34,969

proof that there was some kind of

140

00:05:39,969 --> 00:05:37,400

thermite involved in the destruction of

141

00:05:42,850 --> 00:05:39,979

the World Trade Center another group of

142

00:05:44,409 --> 00:05:42,860

people who are interested in this are

143

00:05:46,839 --> 00:05:44,419

the lawyers Committee for 9/11 inquiry

144

00:05:49,480 --> 00:05:46,849

which is a bunch of lawyers and Eadie

145

00:05:51,219 --> 00:05:49,490

Arceneaux is also on the board and they

146

00:05:53,230 --> 00:05:51,229

strongly believe that 9/11 involved

147

00:05:55,420 --> 00:05:53,240

controlled demolition and as far as I

148

00:05:56,769 --> 00:05:55,430

can tell they all genuinely mean well

149

00:05:58,809 --> 00:05:56,779

and I think most of the people in

150

00:06:00,249 --> 00:05:58,819

architects ninjas for 9/11 truth also

151
00:06:02,800 --> 00:06:00,259
believe well these are good people they

152
00:06:04,420 --> 00:06:02,810
believe in what they say and they feel

153
00:06:06,129 --> 00:06:04,430
like they're just doing what is right

154
00:06:08,140 --> 00:06:06,139
for the families of the 9/11 victims and

155
00:06:09,550 --> 00:06:08,150
for Humanity in America in general

156
00:06:11,740 --> 00:06:09,560
because they're just trying to reveal

157
00:06:13,179 --> 00:06:11,750
this conspirator to this conspiracy to

158
00:06:16,529 --> 00:06:13,189
the world and you know get the truth out

159
00:06:20,499 --> 00:06:16,539
there so they mean well that is wrong

160
00:06:22,179 --> 00:06:20,509
what this group are doing now is filing

161
00:06:24,429 --> 00:06:22,189
a petition with the US attorney in New

162
00:06:26,379 --> 00:06:24,439
York for a grand jury investigation into

163
00:06:27,820 --> 00:06:26,389

the events of 9/11 here they are holding

164

00:06:30,429 --> 00:06:27,830

the petition in front of the courthouse

165

00:06:32,469 --> 00:06:30,439

is the petition and in this petition

166

00:06:34,749 --> 00:06:32,479

they make a very simple argument at one

167

00:06:36,430 --> 00:06:34,759

point they say the presence in the World

168

00:06:39,120 --> 00:06:36,440

Trade Center dust of iron microspheres

169

00:06:40,970 --> 00:06:39,130

formed from previously molten iron is

170

00:06:43,400 --> 00:06:40,980

physically impossible

171

00:06:46,790 --> 00:06:43,410

without the use of incendiary materials

172

00:06:49,220 --> 00:06:46,800

such as thermite this is a very simple

173

00:06:51,620 --> 00:06:49,230

argument and it will be very compelling

174

00:06:54,230 --> 00:06:51,630

if it was true it was correct but it's

175

00:06:56,240 --> 00:06:54,240

not there's many many ways of making

176

00:06:58,820 --> 00:06:56,250

iron microspheres I've made microspheres

177

00:07:00,770 --> 00:06:58,830

myself about 10 different ways but it's

178

00:07:02,660 --> 00:07:00,780

like a step back I am hardly the first

179

00:07:04,100 --> 00:07:02,670

person to address this topic let's have

180

00:07:07,970 --> 00:07:04,110

a look at the long history of debunking

181

00:07:11,330 --> 00:07:07,980

911 microspheres so the first thing on

182

00:07:16,190 --> 00:07:11,340

our 911 debunking 911 iron microspheres

183

00:07:20,480 --> 00:07:16,200

debunking timeline is 1665 with Robert

184

00:07:22,460 --> 00:07:20,490

Hooke Robert Hooke was a fellow of the

185

00:07:25,610 --> 00:07:22,470

Royal Society in England and he wrote

186

00:07:27,890 --> 00:07:25,620

this is lovely book micrographia he

187

00:07:29,840 --> 00:07:27,900

actually invented a compound microscope

188

00:07:31,460 --> 00:07:29,850

a really good compound microscope and he

189

00:07:34,400 --> 00:07:31,470

spent a lot of time examining small

190

00:07:37,310 --> 00:07:34,410

things my new bodies and describing what

191

00:07:39,110 --> 00:07:37,320

he saw and drawing diagrams one of the

192

00:07:40,970 --> 00:07:39,120

things that he studied was iron

193

00:07:42,950 --> 00:07:40,980

microspheres he seed right in the middle

194

00:07:46,220 --> 00:07:42,960

there there's a perfect little iron

195

00:07:48,440 --> 00:07:46,230

microsphere he made he microspheres

196

00:07:50,030 --> 00:07:48,450

himself he didn't need thermite or

197

00:07:51,920 --> 00:07:50,040

anything he made them very very simply

198

00:07:55,390 --> 00:07:51,930

with a couple of methods is the first

199

00:07:58,970 --> 00:07:55,400

method method number one steel on Flint

200

00:08:00,950 --> 00:07:58,980

sparks struck from a flint what he did

201
00:08:03,710 --> 00:08:00,960
was he struck a flint with the steel

202
00:08:05,600 --> 00:08:03,720
over a sheet of white paper he collected

203
00:08:08,780 --> 00:08:05,610
the sparks and he observed that they

204
00:08:10,250 --> 00:08:08,790
were iron microspheres you can do

205
00:08:12,050 --> 00:08:10,260
something similar yourself you can get a

206
00:08:14,090 --> 00:08:12,060
flint steel and you can strike them

207
00:08:16,100 --> 00:08:14,100
together and I've done that you could

208
00:08:18,860 --> 00:08:16,110
also do it with a regular bit lighter

209
00:08:21,560 --> 00:08:18,870
now modern lighters are actually the

210
00:08:23,780 --> 00:08:21,570
reverse of the method Hooke uses and

211
00:08:25,340 --> 00:08:23,790
they're the Flint what we call the Flint

212
00:08:28,130 --> 00:08:25,350
is actually a mixture of iron and other

213
00:08:30,470 --> 00:08:28,140

metals and it's the hard steel wheel or

214

00:08:32,510 --> 00:08:30,480

scrapes that and creates the sparks but

215

00:08:34,310 --> 00:08:32,520

the principle is the same with very

216

00:08:36,310 --> 00:08:34,320

little mechanical effort you can make

217

00:08:38,870 --> 00:08:36,320

sparks which make iron microspheres

218

00:08:40,700 --> 00:08:38,880

every time you strike a lighter like

219

00:08:43,430 --> 00:08:40,710

this you're creating around a hundred

220

00:08:45,200 --> 00:08:43,440

iron rich microspheres and if you put a

221

00:08:46,580 --> 00:08:45,210

magnet to be had a piece of paper and

222

00:08:47,960 --> 00:08:46,590

strike the lighter over it you can

223

00:08:51,350 --> 00:08:47,970

collect the mics Pierce and look at them

224

00:08:53,269 --> 00:08:51,360

with a microscope here I'm striking a

225

00:08:56,119 --> 00:08:53,279

lighter in front of a penny

226
00:08:58,759 --> 00:08:56,129
with a magnet behind it you can see the

227
00:09:01,160 --> 00:08:58,769
sparks and you can just see the tiny

228
00:09:02,840 --> 00:09:01,170
spheres building up on the penny the

229
00:09:05,990 --> 00:09:02,850
phase mount mounted vertically so that

230
00:09:08,389 --> 00:09:06,000
the the Flint residue will just fall off

231
00:09:10,819 --> 00:09:08,399
and watch the meaning of these tiny tiny

232
00:09:14,480 --> 00:09:10,829
tiny little iron microspheres hundreds

233
00:09:17,329 --> 00:09:14,490
and hundreds of them if we compare these

234
00:09:19,999 --> 00:09:17,339
spheres that hook made in 1665 this is

235
00:09:21,170 --> 00:09:20,009
the spears that I made in 2018 you'll

236
00:09:24,319 --> 00:09:21,180
see you know they look kind of similar

237
00:09:28,759 --> 00:09:24,329
we also see the the flakes of Steel that

238
00:09:31,269 --> 00:09:28,769

we get from the scraping action very

239

00:09:34,249 --> 00:09:31,279

very similar things so straightaway

240

00:09:36,590 --> 00:09:34,259

Hookers disproven the basic claim made

241

00:09:38,210 --> 00:09:36,600

by these various 911 groups you don't

242

00:09:40,550 --> 00:09:38,220

actually need thermite to me coming in

243

00:09:44,389 --> 00:09:40,560

microspheres all you need is something

244

00:09:46,610 --> 00:09:44,399

that makes sparks from iron and he made

245

00:09:49,040 --> 00:09:46,620

it with a second method to the second

246

00:09:53,360 --> 00:09:49,050

method was to throw iron filings in a

247

00:09:55,249 --> 00:09:53,370

flame he describes his method as take

248

00:09:57,410 --> 00:09:55,259

some filings of iron and with the point

249

00:10:00,319 --> 00:09:57,420

of a knife cast them through the flame

250

00:10:01,819 --> 00:10:00,329

of a candle and then collect the sparks

251

00:10:04,249 --> 00:10:01,829

as before I did this myself

252

00:10:06,889 --> 00:10:04,259

I used my knife tossin free of a candle

253

00:10:08,379 --> 00:10:06,899

he made some sparks it's hard to get a

254

00:10:11,780 --> 00:10:08,389

lot of spheres from this because it

255

00:10:13,850 --> 00:10:11,790

didn't really burn very well but it you

256

00:10:15,439 --> 00:10:13,860

know he did but I found a better way of

257

00:10:18,290 --> 00:10:15,449

doing it was to use a larger flame so I

258

00:10:22,629 --> 00:10:18,300

used a small blowtorch and I tossed the

259

00:10:24,559 --> 00:10:22,639

iron filings into the blowtorch and

260

00:10:26,329 --> 00:10:24,569

collected them with the magnet you see

261

00:10:31,129 --> 00:10:26,339

on the left-hand side there there is a

262

00:10:33,710 --> 00:10:31,139

dark square a dark patch and that is

263

00:10:35,769 --> 00:10:33,720

covered with approximately 10,000

264

00:10:39,889 --> 00:10:35,779

microspheres just from a few seconds of

265

00:10:42,350 --> 00:10:39,899

iron dust in a flame and here's a before

266

00:10:44,749 --> 00:10:42,360

and after photograph with the microscope

267

00:10:49,069 --> 00:10:44,759

the dust that are tossed through the

268

00:10:51,799 --> 00:10:49,079

flame is on the left and what results

269

00:10:53,720 --> 00:10:51,809

from that is on the right as you can see

270

00:10:57,110 --> 00:10:53,730

there's a large amount of pretty small

271

00:11:01,309 --> 00:10:57,120

iron microspheres and they are all under

272

00:11:03,040 --> 00:11:01,319

a hundred microns in size so the hook

273

00:11:05,030 --> 00:11:03,050

has demonstrated a second way

274

00:11:07,160 --> 00:11:05,040

microspheres can form that does not

275

00:11:11,360 --> 00:11:07,170

involve nano thermite or super high

276

00:11:13,940 --> 00:11:11,370

flame temperatures but we know that

277

00:11:16,819 --> 00:11:13,950

spheres can only form from liquid metal

278

00:11:20,000 --> 00:11:16,829

how does the iron end up liquid if the

279

00:11:23,180 --> 00:11:20,010

temperature of the flame is so low well

280

00:11:25,610 --> 00:11:23,190

the answer is iron burns it turns out

281

00:11:28,400 --> 00:11:25,620

the iron itself is making the heat if

282

00:11:30,230 --> 00:11:28,410

you burn a piece of iron completely it

283

00:11:33,019 --> 00:11:30,240

releases ten times the amount of energy

284

00:11:35,840 --> 00:11:33,029

needed to melt that piece of iron so the

285

00:11:38,269 --> 00:11:35,850

sparks you see are I am burning melting

286

00:11:40,730 --> 00:11:38,279

itself I'm mixing in some iron oxide to

287

00:11:42,949 --> 00:11:40,740

make this iron rich spheres when iron

288

00:11:45,019 --> 00:11:42,959

burns it gets so hot it melts the

289

00:11:48,019 --> 00:11:45,029

adjacent iron and it mixes in with the

290

00:11:51,470 --> 00:11:48,029

molten iron and the the iron oxide and

291

00:11:52,790 --> 00:11:51,480

it makes these tiny little spheres it's

292

00:11:54,139 --> 00:11:52,800

are you gonna work with very very small

293

00:11:56,620 --> 00:11:54,149

pieces of iron there because you need a

294

00:11:59,540 --> 00:11:56,630

very large surface area to volume ratio

295

00:12:01,579 --> 00:11:59,550

if you have a large piece of iron only

296

00:12:03,439 --> 00:12:01,589

the outside of the iron is gonna get hot

297

00:12:04,730 --> 00:12:03,449

enough to melt and because the inside is

298

00:12:07,220 --> 00:12:04,740

still killed the whole thing isn't going

299

00:12:09,100 --> 00:12:07,230

to melt but if it's small enough the

300

00:12:11,449 --> 00:12:09,110

entire thing is going to melt and

301
00:12:12,769 --> 00:12:11,459
providing the combustion stops at some

302
00:12:14,840 --> 00:12:12,779
point which you will when it runs out of

303
00:12:16,880 --> 00:12:14,850
oxygen or it gets too much iron oxide in

304
00:12:20,090 --> 00:12:16,890
the mix then you're gonna get these tiny

305
00:12:24,250 --> 00:12:20,100
little iron microspheres so how's this

306
00:12:29,389 --> 00:12:24,260
relate to the events of 9/11 in two ways

307
00:12:31,340 --> 00:12:29,399
fire and friction these are the two ways

308
00:12:33,860 --> 00:12:31,350
the hoax experiments showed as the

309
00:12:37,180 --> 00:12:33,870
spheres could have formed first of all

310
00:12:39,710 --> 00:12:37,190
in the fire very small pieces of iron

311
00:12:41,780 --> 00:12:39,720
electrolyte flakes of rusty iron or

312
00:12:44,689 --> 00:12:41,790
damaged iron will burn in the fire and

313
00:12:47,329 --> 00:12:44,699

they'll make microspheres secondly from

314

00:12:50,120 --> 00:12:47,339

friction or impacts like if iron or

315

00:12:52,309 --> 00:12:50,130

steel it's concrete very very hard or

316

00:12:54,860 --> 00:12:52,319

very very fast which you would do during

317

00:12:56,840 --> 00:12:54,870

the collapse then you would get lots of

318

00:12:59,750 --> 00:12:56,850

sparks coming off and these sparks will

319

00:13:01,790 --> 00:12:59,760

create iron microspheres there's also a

320

00:13:06,800 --> 00:13:01,800

kind of combination of these two events

321

00:13:09,740 --> 00:13:06,810

if you have some iron that fails under

322

00:13:12,400 --> 00:13:09,750

tension then what happens is the

323

00:13:14,569 --> 00:13:12,410

shockwave of the snapping of the iron

324

00:13:17,870 --> 00:13:14,579

propagates through the iron blows off

325

00:13:19,400 --> 00:13:17,880

the surface of iron flakes then it can

326

00:13:19,940 --> 00:13:19,410

anything that's kind of rusty or perhaps

327

00:13:22,130 --> 00:13:19,950

paint

328

00:13:23,450 --> 00:13:22,140

it is gonna blow off the surface and

329

00:13:26,870 --> 00:13:23,460

you're gonna all these little flakes of

330

00:13:32,150 --> 00:13:26,880

rusty iron which will then compost in

331

00:13:34,970 --> 00:13:32,160

the fire all right now back to our

332

00:13:40,090 --> 00:13:34,980

debunking timeline we did rob a hook in

333

00:13:42,590 --> 00:13:40,100

1665 the next set of debunking was in

334

00:13:46,430 --> 00:13:42,600

2008 on the James Randi Educational

335

00:13:51,850 --> 00:13:46,440

Foundation forum known as J F there was

336

00:13:54,320 --> 00:13:51,860

lots of discussion on jrf there was over

337

00:13:56,560 --> 00:13:54,330

5,000 posts in these multiple threads

338

00:13:59,030 --> 00:13:56,570

I've only listed a few of them here

339

00:14:02,360 --> 00:13:59,040

discussing the topic of microspheres and

340

00:14:05,270 --> 00:14:02,370

things like thermite and or not but it's

341

00:14:08,450 --> 00:14:05,280

difficult for every person to find any

342

00:14:10,580 --> 00:14:08,460

information here even though all of the

343

00:14:13,040 --> 00:14:10,590

explanations that I'm discussing in this

344

00:14:15,470 --> 00:14:13,050

video are actually mentioned you know

345

00:14:17,090 --> 00:14:15,480

pretty much somewhere in this forum it's

346

00:14:18,470 --> 00:14:17,100

very very difficult to find them because

347

00:14:20,540 --> 00:14:18,480

they tend to get lost in these long

348

00:14:22,070 --> 00:14:20,550

threads so I ended up independently

349

00:14:23,840 --> 00:14:22,080

discovering things like the lightest

350

00:14:27,350 --> 00:14:23,850

sparks and I'm pretty good at googling

351
00:14:29,180 --> 00:14:27,360
stuff so they did on the JRF debunk the

352
00:14:31,430 --> 00:14:29,190
claim of iron microspheres being

353
00:14:32,900 --> 00:14:31,440
evidence of thermite and quite

354
00:14:34,160 --> 00:14:32,910
comprehensively but they didn't

355
00:14:36,790 --> 00:14:34,170
communicate it very well they didn't

356
00:14:41,090 --> 00:14:36,800
really get that information out of them

357
00:14:44,750 --> 00:14:41,100
so next on our timeline we have 2011 and

358
00:14:46,250 --> 00:14:44,760
Dave Thomas Dave Thomas in 2011 made

359
00:14:47,810 --> 00:14:46,260
this video how to make iron rich

360
00:14:49,580 --> 00:14:47,820
microspheres not with thermite but with

361
00:14:51,350 --> 00:14:49,590
a lighter and steel wool he did a very

362
00:14:53,500 --> 00:14:51,360
simple experiment similar to Hookes

363
00:14:57,380 --> 00:14:53,510

experiment with the the iron filings

364

00:14:58,880 --> 00:14:57,390

where he took steel wool and he lit it

365

00:15:01,460 --> 00:14:58,890

with a lighter and he burnt it and

366

00:15:03,320 --> 00:15:01,470

created some iron microspheres he took

367

00:15:04,550 --> 00:15:03,330

photographs of them we did some analysis

368

00:15:06,530 --> 00:15:04,560

of them and he found that they were

369

00:15:08,480 --> 00:15:06,540

pretty much the same as the iron

370

00:15:09,830 --> 00:15:08,490

microspheres found in the World Trade

371

00:15:12,260 --> 00:15:09,840

Center dust that people had been

372

00:15:13,610 --> 00:15:12,270

analyzing these Spears didn't look that

373

00:15:15,920 --> 00:15:13,620

good they were kind of like big and

374

00:15:18,140 --> 00:15:15,930

bulky and had these wires coming out of

375

00:15:20,900 --> 00:15:18,150

them but they were iron microspheres

376

00:15:22,880 --> 00:15:20,910

and there's actually a much better way

377

00:15:24,950 --> 00:15:22,890

of doing it than simply lighting it and

378

00:15:27,080 --> 00:15:24,960

looking at the the wall itself what

379

00:15:29,880 --> 00:15:27,090

she'd do is light it over a piece of

380

00:15:31,620 --> 00:15:29,890

paper with a magnet underneath it

381

00:15:33,509 --> 00:15:31,630

and then when you burn the steel wall

382

00:15:35,819 --> 00:15:33,519

and it's better to use actual steel wall

383

00:15:38,340 --> 00:15:35,829

rather than a brillo pad of some sort

384

00:15:40,440 --> 00:15:38,350

when you burn the steel wall the tiny

385

00:15:42,750 --> 00:15:40,450

iron microspheres the form will drop and

386

00:15:44,220 --> 00:15:42,760

they will collect on the magnet below

387

00:15:46,590 --> 00:15:44,230

then if you look at them through the

388

00:15:48,810 --> 00:15:46,600

microscope you see a much much better

389

00:15:51,000 --> 00:15:48,820

collection of spheres of all different

390

00:15:52,440 --> 00:15:51,010

sizes you see these tiny tiny ones which

391

00:15:54,210 --> 00:15:52,450

have come from the sparks and you see

392

00:15:57,420 --> 00:15:54,220

the larger ones which have come from the

393

00:15:59,880 --> 00:15:57,430

combustion traveling along the wire and

394

00:16:01,470 --> 00:15:59,890

you see some partially combusted wires

395

00:16:04,650 --> 00:16:01,480

like the one in the middle with a sphere

396

00:16:07,110 --> 00:16:04,660

on the end it's a much better way of

397

00:16:09,720 --> 00:16:07,120

doing it over a piece of paper and these

398

00:16:11,699 --> 00:16:09,730

tiny spheres are very very perfectly

399

00:16:12,990 --> 00:16:11,709

round most of them so you have to be

400

00:16:14,940 --> 00:16:13,000

very very careful cuz they'll just roll

401
00:16:16,590 --> 00:16:14,950
off anything that you put them on so you

402
00:16:18,509 --> 00:16:16,600
gotta have a magnet underneath and then

403
00:16:20,400 --> 00:16:18,519
you go transfer them to something sticky

404
00:16:21,660 --> 00:16:20,410
so they won't won't come off something

405
00:16:23,610 --> 00:16:21,670
like a printer label or something like

406
00:16:27,690 --> 00:16:23,620
that to keep them in place so you can

407
00:16:29,040 --> 00:16:27,700
look at them with a microscope now this

408
00:16:32,069 --> 00:16:29,050
steel wall experiment the Dave Thomas

409
00:16:33,690 --> 00:16:32,079
Tate has some important effects in the

410
00:16:34,769 --> 00:16:33,700
discussion first of all it showed that

411
00:16:36,840 --> 00:16:34,779
there were other ways in making any

412
00:16:38,670 --> 00:16:36,850
microspheres just like hook did the

413
00:16:40,860 --> 00:16:38,680

hundreds of years ago but now you know

414

00:16:43,740 --> 00:16:40,870

here is how on YouTube actually being

415

00:16:45,449 --> 00:16:43,750

demonstrated it showed that fires fires

416

00:16:47,009 --> 00:16:45,459

could make iron makes Ryan rich

417

00:16:48,360 --> 00:16:47,019

microspheres without higher fire

418

00:16:50,430 --> 00:16:48,370

temperature it's just a bit lighter

419

00:16:52,350 --> 00:16:50,440

which isn't very hot and you can even

420

00:16:55,680 --> 00:16:52,360

ignite it with a piece of paper if you

421

00:16:58,319 --> 00:16:55,690

want and it showed that architects and

422

00:17:00,509 --> 00:16:58,329

engineers for 9/11 truth and dr. Jones

423

00:17:07,939 --> 00:17:00,519

were wrong when they said that the only

424

00:17:10,319 --> 00:17:07,949

cause of this was nano-thermite and

425

00:17:12,150 --> 00:17:10,329

because it was a video it showed this in

426

00:17:14,100 --> 00:17:12,160

a very direct way and it was a practical

427

00:17:16,590 --> 00:17:14,110

experiment that was was very easy to

428

00:17:17,880 --> 00:17:16,600

repeat very easy to do and so people

429

00:17:19,319 --> 00:17:17,890

could do it themselves and they can make

430

00:17:21,960 --> 00:17:19,329

these iron microspheres and they could

431

00:17:24,240 --> 00:17:21,970

basically disprove this basic point that

432

00:17:27,770 --> 00:17:24,250

sir you know the lawyers were putting in

433

00:17:30,450 --> 00:17:27,780

there their petition to the to the court

434

00:17:32,190 --> 00:17:30,460

a bit later Dave Thomas did some more

435

00:17:34,020 --> 00:17:32,200

experiments he took some steel beams and

436

00:17:35,039 --> 00:17:34,030

he put them in a bill burn barrel and he

437

00:17:36,299 --> 00:17:35,049

burned them he got some iron

438

00:17:38,070 --> 00:17:36,309

microspheres which isn't really

439

00:17:40,350 --> 00:17:38,080

surprising because you know in in

440

00:17:42,130 --> 00:17:40,360

whenever the steel around there's gonna

441

00:17:48,700 --> 00:17:42,140

be a whole bunch of microspheres from

442

00:17:50,920 --> 00:17:48,710

variety of methods now what I wanted to

443

00:17:53,890 --> 00:17:50,930

do after you know looking at Dave's

444

00:17:55,840 --> 00:17:53,900

videos was try to make as many

445

00:17:57,910 --> 00:17:55,850

demonstrations and making microspheres

446

00:18:01,720 --> 00:17:57,920

as I could because you know he did a few

447

00:18:03,580 --> 00:18:01,730

he did the the burning steel he did did

448

00:18:06,970 --> 00:18:03,590

steel wall even it one with bashing

449

00:18:09,100 --> 00:18:06,980

cannonballs together but you know there

450

00:18:10,720 --> 00:18:09,110

are other methods to a really really

451
00:18:12,490 --> 00:18:10,730
good way of making my microspheres is

452
00:18:14,170 --> 00:18:12,500
arc welding this is me doing a little

453
00:18:15,990 --> 00:18:14,180
bit of arc welding over a piece of paper

454
00:18:18,370 --> 00:18:16,000
again with a magnet underneath it

455
00:18:19,960 --> 00:18:18,380
it's actually better to do it over a

456
00:18:23,320 --> 00:18:19,970
water bath but you know this works do

457
00:18:25,300 --> 00:18:23,330
now arc welding basically makes a stream

458
00:18:28,150 --> 00:18:25,310
of hundreds of iron microspheres per

459
00:18:30,730 --> 00:18:28,160
second and how does he do this well if

460
00:18:33,610 --> 00:18:30,740
you look at arc welding very very close

461
00:18:37,420 --> 00:18:33,620
so this is the electrode what happens is

462
00:18:38,530 --> 00:18:37,430
it melts melts the steel and melts of

463
00:18:40,300 --> 00:18:38,540

steel of the electrode and the two

464

00:18:42,880 --> 00:18:40,310

things kind of splash together with the

465

00:18:46,330 --> 00:18:42,890

arcing of the electricity like causing

466

00:18:47,830 --> 00:18:46,340

this this reaction and it splutters off

467

00:18:49,870 --> 00:18:47,840

these tiny little drops you see this

468

00:18:52,390 --> 00:18:49,880

huge spray of tiny little drops of Steel

469

00:18:54,730 --> 00:18:52,400

there those will all solidify in the air

470

00:18:57,820 --> 00:18:54,740

and turn into iron microspheres and this

471

00:19:00,820 --> 00:18:57,830

video is running a 300 times normal so

472

00:19:02,980 --> 00:19:00,830

one three hundredth of normal speed so a

473

00:19:05,710 --> 00:19:02,990

real speed this basically this constant

474

00:19:06,730 --> 00:19:05,720

stream of iron microspheres and if you

475

00:19:08,860 --> 00:19:06,740

have a doing your welding you might

476
00:19:10,690 --> 00:19:08,870
notice this dark dust forming underneath

477
00:19:12,430 --> 00:19:10,700
way you're doing this welding that's not

478
00:19:14,650 --> 00:19:12,440
suit you know I think it's sucked

479
00:19:17,080 --> 00:19:14,660
because it's kind of dark looking but

480
00:19:20,410 --> 00:19:17,090
it's actually iron microspheres I enrich

481
00:19:21,970 --> 00:19:20,420
microspheres that collect underneath

482
00:19:23,890 --> 00:19:21,980
welding and you can pick them up with a

483
00:19:28,000 --> 00:19:23,900
magnet for looking underneath look at

484
00:19:30,160 --> 00:19:28,010
them underneath the microscope arc

485
00:19:31,570 --> 00:19:30,170
welding was used a lot in the

486
00:19:35,920 --> 00:19:31,580
construction of the World Trade Centers

487
00:19:38,530 --> 00:19:35,930
the towers central columns were actually

488
00:19:40,180 --> 00:19:38,540

welded together along these edge welds

489

00:19:42,390 --> 00:19:40,190

which were like two or three inches deep

490

00:19:46,060 --> 00:19:42,400

and they had to fill this entire world

491

00:19:48,460 --> 00:19:46,070

with arc welding and this created it

492

00:19:50,650 --> 00:19:48,470

basically a constant stream of thousands

493

00:19:53,320 --> 00:19:50,660

tens of thousands millions even billions

494

00:19:55,680 --> 00:19:53,330

of tiny iron microspheres and some of

495

00:19:58,510 --> 00:19:55,690

those a goodly portion of those what

496

00:20:00,550 --> 00:19:58,520

during construction stuck underneath the

497

00:20:03,790 --> 00:20:00,560

walls in the concrete behind the walls

498

00:20:05,620 --> 00:20:03,800

and they would have been trapped there

499

00:20:08,080 --> 00:20:05,630

safe from the elements so they wouldn't

500

00:20:09,550 --> 00:20:08,090

rest for decades until the building's

501
00:20:12,940 --> 00:20:09,560
finally collapse and they were released

502
00:20:15,040 --> 00:20:12,950
as part of the microspheres that were

503
00:20:18,360 --> 00:20:15,050
found in the World Trade Center dose not

504
00:20:21,100 --> 00:20:18,370
all of them but probably part of them

505
00:20:23,080 --> 00:20:21,110
angle grinding is another thing that

506
00:20:24,880 --> 00:20:23,090
creates iron microspheres and this is

507
00:20:27,850 --> 00:20:24,890
the friction method essentially this is

508
00:20:30,010 --> 00:20:27,860
very similar to what Hooke was doing in

509
00:20:32,950 --> 00:20:30,020
the 1600s with a flint and a piece of

510
00:20:35,140 --> 00:20:32,960
steel it's shaving off at high speeds

511
00:20:36,910 --> 00:20:35,150
little bits of Steel which then ignite

512
00:20:39,580 --> 00:20:36,920
and then they form these iron-rich want

513
00:20:42,310 --> 00:20:39,590

microspheres you can do other

514

00:20:45,760 --> 00:20:42,320

experiments I used a used hand warmer

515

00:20:48,090 --> 00:20:45,770

toss that threw a flame and the iron

516

00:20:50,680 --> 00:20:48,100

filings that are in a hand warmer

517

00:20:54,190 --> 00:20:50,690

ignited and made these iron rich

518

00:20:56,620 --> 00:20:54,200

microspheres you can also make iron rich

519

00:20:58,810 --> 00:20:56,630

microspheres with thermite the video I

520

00:21:01,180 --> 00:20:58,820

showed you earlier of molten iron was

521

00:21:03,850 --> 00:21:01,190

actually some thermite burning thermite

522

00:21:06,640 --> 00:21:03,860

is aluminum powder and iron oxide powder

523

00:21:09,580 --> 00:21:06,650

mixed together when he burns he makes

524

00:21:11,320 --> 00:21:09,590

aluminum oxide and molten iron and he

525

00:21:12,790 --> 00:21:11,330

does make lots of microspheres some

526

00:21:15,730 --> 00:21:12,800

quite nice ones too

527

00:21:18,730 --> 00:21:15,740

but it makes a lot of white spheres and

528

00:21:22,090 --> 00:21:18,740

what I call eyeball microspheres which

529

00:21:25,380 --> 00:21:22,100

are white aluminum oxide with a smaller

530

00:21:29,920 --> 00:21:25,390

iron sphere inside if you look at the

531

00:21:33,010 --> 00:21:29,930

equations of combustion of iron and iron

532

00:21:36,040 --> 00:21:33,020

oxide and aluminum it the end result is

533

00:21:38,470 --> 00:21:36,050

twice as much aluminum oxide by volume

534

00:21:39,880 --> 00:21:38,480

as there is iron it's about equal parts

535

00:21:42,520 --> 00:21:39,890

by weight but it's twice as much by

536

00:21:46,540 --> 00:21:42,530

volume so you get twice as much aluminum

537

00:21:48,910 --> 00:21:46,550

oxide as you do iron and some of this is

538

00:21:50,320 --> 00:21:48,920

going to form these eyeball microspheres

539

00:21:51,910 --> 00:21:50,330

which were very very distinctive and

540

00:21:53,830 --> 00:21:51,920

there was lots of them and this was

541

00:21:55,270 --> 00:21:53,840

something that I don't think anybody

542

00:21:56,770 --> 00:21:55,280

reported seeing in the World Trade

543

00:21:59,950 --> 00:21:56,780

Center dust and you would kind of expect

544

00:22:03,430 --> 00:21:59,960

it if there might had been used at least

545

00:22:06,550 --> 00:22:03,440

this type of aluminum oxide thermite

546

00:22:08,290 --> 00:22:06,560

thermite's a lot of fun you can buy the

547

00:22:10,510 --> 00:22:08,300

ingredients online and you can make it

548

00:22:12,280 --> 00:22:10,520

for about five dollars a pound and with

549

00:22:14,140 --> 00:22:12,290

appropriate safety measures you can do

550

00:22:16,600 --> 00:22:14,150

all kinds of destructive experiments

551
00:22:20,320 --> 00:22:16,610
here I'm trying to cut through a square

552
00:22:25,920 --> 00:22:20,330
steel tube and it with some sunlight it

553
00:22:32,650 --> 00:22:29,260
if we zoom in on that tube on the left

554
00:22:33,130 --> 00:22:32,660
you can see where near where it's all

555
00:22:35,860 --> 00:22:33,140
burnt

556
00:22:37,900 --> 00:22:35,870
there's a white patina you have a

557
00:22:39,700 --> 00:22:37,910
speckled white patina and if we look at

558
00:22:42,340 --> 00:22:39,710
that closer up this is it rotated around

559
00:22:44,680 --> 00:22:42,350
you see that white patina is kind of a

560
00:22:47,500 --> 00:22:44,690
white powder and that white powder is

561
00:22:50,080 --> 00:22:47,510
actually aluminum oxide and if we look

562
00:22:52,140 --> 00:22:50,090
at it even closer you'll see it's a

563
00:22:55,960 --> 00:22:52,150

collection of aluminum oxide

564

00:23:00,400 --> 00:22:55,970

microspheres embedded in this kind of

565

00:23:02,260 --> 00:23:00,410

slab of aluminum oxide and an iron and

566

00:23:04,450 --> 00:23:02,270

there's also a whole bunch of iron rich

567

00:23:06,550 --> 00:23:04,460

microspheres mixed in there but it's

568

00:23:10,690 --> 00:23:06,560

more more than white aluminum so we get

569

00:23:12,190 --> 00:23:10,700

this patina around any cut that we do

570

00:23:16,660 --> 00:23:12,200

with with thermite this is very

571

00:23:21,100 --> 00:23:16,670

distinctive you see it on the the cuts

572

00:23:22,750 --> 00:23:21,110

that were made on 9/11 truth videos at

573

00:23:24,820 --> 00:23:22,760

the exact same patina and this is

574

00:23:28,390 --> 00:23:24,830

something that was not reported to be

575

00:23:31,120 --> 00:23:28,400

seen on the World Trade Center where

576

00:23:32,050 --> 00:23:31,130

where things have failed where beams and

577

00:23:33,370 --> 00:23:32,060

columns had failed

578

00:23:35,170 --> 00:23:33,380

they look like they're being ripped

579

00:23:36,820 --> 00:23:35,180

apart they don't look like they're being

580

00:23:39,340 --> 00:23:36,830

burnt apart and you don't have this

581

00:23:42,490 --> 00:23:39,350

patina of aluminum oxide and iron

582

00:23:44,320 --> 00:23:42,500

microspheres near the the cut which

583

00:23:49,330 --> 00:23:44,330

doesn't even look like a burnt cut

584

00:23:51,100 --> 00:23:49,340

anyway so moving on this is my

585

00:23:54,880 --> 00:23:51,110

wheelbarrow it's a steel wheelbarrow

586

00:23:57,790 --> 00:23:54,890

that's been painted red and this is the

587

00:24:00,970 --> 00:23:57,800

World Trade Center steel these are the

588

00:24:03,520 --> 00:24:00,980

trusses that were underneath the floors

589

00:24:06,120 --> 00:24:03,530

and you can see they have a very similar

590

00:24:10,810 --> 00:24:06,130

paint job that both painted it with this

591

00:24:13,750 --> 00:24:10,820

red rust resistant primer paint now when

592

00:24:15,660 --> 00:24:13,760

I hit my steel wheelbarrow with the axe

593

00:24:17,820 --> 00:24:15,670

here's the back of the axe

594

00:24:20,840 --> 00:24:17,830

then these little chips of paint came

595

00:24:23,580 --> 00:24:20,850

off this is what they looked like and

596

00:24:25,500 --> 00:24:23,590

they're red which is the paint on one

597

00:24:29,130 --> 00:24:25,510

side and on the other side they're gray

598

00:24:31,530 --> 00:24:29,140

which is kind of the rust and the steel

599

00:24:33,260 --> 00:24:31,540

you can see it's a bit of rust there but

600

00:24:36,510 --> 00:24:33,270

it's also the gray I think is actually

601
00:24:41,430 --> 00:24:36,520
actually iron itself iron or steel and

602
00:24:42,900 --> 00:24:41,440
when you burn it this this coating tends

603
00:24:46,920 --> 00:24:42,910
to burn off because it's very very thin

604
00:24:48,180 --> 00:24:46,930
so it burns in the way that the steel

605
00:24:51,510 --> 00:24:48,190
wall will burn because you've got this

606
00:24:55,020 --> 00:24:51,520
very low volume to surface area ratio

607
00:24:57,810 --> 00:24:55,030
and if you burn it by tossing it through

608
00:25:00,300 --> 00:24:57,820
a flame you get this these little iron

609
00:25:02,100 --> 00:25:00,310
rich microspheres and we know that iron

610
00:25:08,010 --> 00:25:02,110
rich because they're attracted to a

611
00:25:10,110 --> 00:25:08,020
magnet in the shiny so you'd expect to

612
00:25:13,440 --> 00:25:10,120
find both these type of paint chips from

613
00:25:16,260 --> 00:25:13,450

the snapping of all the the steel as it

614

00:25:18,630 --> 00:25:16,270

collapsed and bending and you could

615

00:25:23,390 --> 00:25:18,640

expect to find iron microspheres that

616

00:25:30,870 --> 00:25:27,180

there is also a lot of microspheres that

617

00:25:33,300 --> 00:25:30,880

would have formed during cleanup there

618

00:25:35,460 --> 00:25:33,310

was a huge amount of cleanup needed

619

00:25:36,870 --> 00:25:35,470

obviously because of all this twisted

620

00:25:38,340 --> 00:25:36,880

metal lying in the pile and they had to

621

00:25:40,380 --> 00:25:38,350

cut it a lot before they could get it

622

00:25:42,900 --> 00:25:40,390

out because it was all kind of jangle

623

00:25:44,220 --> 00:25:42,910

together or sometimes still attached to

624

00:25:46,740 --> 00:25:44,230

the original structure near at the

625

00:25:49,070 --> 00:25:46,750

bottom so they cut it with a couple of

626
00:25:52,470 --> 00:25:49,080
methods one was an oxy acetylene torch

627
00:25:54,000 --> 00:25:52,480
where they cut it with by heating it up

628
00:25:56,010 --> 00:25:54,010
with oxy acetylene and then they use a

629
00:25:58,650 --> 00:25:56,020
high-pressure jet of oxygen to kind of

630
00:26:01,470 --> 00:25:58,660
burn through the steel itself and that

631
00:26:03,960 --> 00:26:01,480
creates this huge shower of of iron rich

632
00:26:07,230 --> 00:26:03,970
microspheres another way is using these

633
00:26:10,320 --> 00:26:07,240
the Mexica Lance's which use actually

634
00:26:13,080 --> 00:26:10,330
some iron or other things inside this

635
00:26:15,080 --> 00:26:13,090
long tube and they pipe oxygen through

636
00:26:17,730 --> 00:26:15,090
it and that creates a very very hot

637
00:26:18,930 --> 00:26:17,740
flame at the other side basically almost

638
00:26:21,720 --> 00:26:18,940

like a plasma coming out at the other

639

00:26:25,260 --> 00:26:21,730

side and that will pretty much eat

640

00:26:26,790 --> 00:26:25,270

through anything and you can see it's

641

00:26:29,399 --> 00:26:26,800

being used here to cut on the on the

642

00:26:31,690 --> 00:26:29,409

right cut through one of the core column

643

00:26:35,139 --> 00:26:31,700

so there would have been a huge amount

644

00:26:37,239 --> 00:26:35,149

of iron microspheres that were on site

645

00:26:40,239 --> 00:26:37,249

from the cleanup now of course this

646

00:26:43,149 --> 00:26:40,249

wouldn't affect dust that was in distant

647

00:26:46,450 --> 00:26:43,159

locations but you have to ask where was

648

00:26:50,080 --> 00:26:46,460

the sample taken was it an area in which

649

00:26:52,269 --> 00:26:50,090

cleanup had been done and this actually

650

00:26:56,769 --> 00:26:52,279

was an important Factory on one very

651
00:27:01,210 --> 00:26:56,779
famous area of sampling which was 130

652
00:27:03,879 --> 00:27:01,220
Liberty Street 130 Liberty Street is the

653
00:27:06,369 --> 00:27:03,889
the Deutsche Bank building which was

654
00:27:11,259 --> 00:27:06,379
studied by RJ Lee who we mentioned

655
00:27:14,379 --> 00:27:11,269
earlier and he has this one table where

656
00:27:19,359 --> 00:27:14,389
he lists Fe Spears which is iron spheres

657
00:27:21,129 --> 00:27:19,369
at 5.8 7% it's not really clear what

658
00:27:24,419 --> 00:27:21,139
this means because the table is

659
00:27:26,619 --> 00:27:24,429
described as statistical p-values and

660
00:27:28,629 --> 00:27:26,629
it's not really clear exactly what it

661
00:27:30,129 --> 00:27:28,639
means he says mean of composition which

662
00:27:33,279 --> 00:27:30,139
makes you think that you know the dust

663
00:27:35,349 --> 00:27:33,289

was five point eight seven percent iron

664

00:27:37,210 --> 00:27:35,359

microspheres let's really make any sense

665

00:27:39,489 --> 00:27:37,220

because there's been a large number of

666

00:27:42,249 --> 00:27:39,499

other studies and on average these other

667

00:27:44,349 --> 00:27:42,259

studies found about one percent iron and

668

00:27:47,219 --> 00:27:44,359

that's one percent all of the iron it's

669

00:27:51,639 --> 00:27:47,229

not just the iron spheres though the the

670

00:27:52,960 --> 00:27:51,649

the the the microspheres it's the total

671

00:27:55,810 --> 00:27:52,970

amount of iron which be all the iron

672

00:27:58,419 --> 00:27:55,820

dust and flakes and shavings and things

673

00:28:01,089 --> 00:27:58,429

like that so it's not really what this

674

00:28:04,839 --> 00:28:01,099

means but another thing is if you look

675

00:28:06,460 --> 00:28:04,849

at actual photographs of the dust the

676

00:28:08,499 --> 00:28:06,470

realism seems to be that many iron

677

00:28:13,149 --> 00:28:08,509

microspheres the sphere you just see on

678

00:28:14,889 --> 00:28:13,159

the left there is a glass sphere and if

679

00:28:15,399 --> 00:28:14,899

you look at all the the photographs of

680

00:28:17,619 --> 00:28:15,409

the dust

681

00:28:19,779 --> 00:28:17,629

you're not seeing five percent iron

682

00:28:22,619 --> 00:28:19,789

you're not seeing five percent spheres

683

00:28:26,229 --> 00:28:22,629

even Spears are actually relatively rare

684

00:28:29,320 --> 00:28:26,239

so this this 5.8 seven percent number is

685

00:28:32,019 --> 00:28:29,330

rather dubious certainly RJ Lee did find

686

00:28:35,349 --> 00:28:32,029

iron rich microspheres and he did

687

00:28:37,299 --> 00:28:35,359

actually suggest that they could be used

688

00:28:38,849 --> 00:28:37,309

as one component of his signature of the

689

00:28:41,840 --> 00:28:38,859

dust because they were relatively common

690

00:28:43,310 --> 00:28:41,850

so they were quite a few

691

00:28:46,010 --> 00:28:43,320

what might they have been finding then

692

00:28:48,350 --> 00:28:46,020

besides the the small amount of spheres

693

00:28:52,580 --> 00:28:48,360

that other people have found well the

694

00:28:54,860 --> 00:28:52,590

site of of their testing was 130 Liberty

695

00:28:56,980 --> 00:28:54,870

Street and this was what the building

696

00:28:59,720 --> 00:28:56,990

looked like you could look on the left

697

00:29:02,750 --> 00:28:59,730

there was a huge gash because a piece of

698

00:29:04,730 --> 00:29:02,760

World Trade Center 2 fell against the

699

00:29:07,159 --> 00:29:04,740

building and gouged out a huge chunk of

700

00:29:08,690 --> 00:29:07,169

it causing a lot of damage probably

701
00:29:10,430 --> 00:29:08,700
creating a few spheres in the process

702
00:29:11,930 --> 00:29:10,440
but it also kept the building was coated

703
00:29:15,110 --> 00:29:11,940
with dust which is dust around the World

704
00:29:16,430 --> 00:29:15,120
Trade Center and not local dust this was

705
00:29:19,159 --> 00:29:16,440
this photograph on the left was taken

706
00:29:21,320 --> 00:29:19,169
two days after 9/11 was logged us there

707
00:29:24,490 --> 00:29:21,330
but this was not sampled for the time by

708
00:29:26,930 --> 00:29:24,500
RJ Lee now if you look on the right in

709
00:29:30,500 --> 00:29:26,940
2002 when the samples were actually

710
00:29:32,630 --> 00:29:30,510
taken a large amount of the structure of

711
00:29:35,060 --> 00:29:32,640
the building has been removed and to

712
00:29:36,649 --> 00:29:35,070
remove that building to remove that part

713
00:29:38,630 --> 00:29:36,659

those parts of the building you gonna

714

00:29:39,980 --> 00:29:38,640

have to cut a lot of steel you have to

715

00:29:41,529 --> 00:29:39,990

cut a lot of steel and probably do a bit

716

00:29:46,070 --> 00:29:41,539

of welding of some temporary structures

717

00:29:47,930 --> 00:29:46,080

so by the time 2002 rolled around and he

718

00:29:50,930 --> 00:29:47,940

actually did the sampling here over six

719

00:29:52,909 --> 00:29:50,940

months later the site would have been

720

00:29:54,470 --> 00:29:52,919

contaminated so there would have been

721

00:29:56,930 --> 00:29:54,480

spares and the original dust

722

00:29:58,640 --> 00:29:56,940

we know that for sure and there probably

723

00:30:02,090 --> 00:29:58,650

made a few extra spheres from from the

724

00:30:05,810 --> 00:30:02,100

cutting locally done so as he debunked

725

00:30:07,250 --> 00:30:05,820

and if so what was debunked well what

726
00:30:09,200 --> 00:30:07,260
has been debunked is that conclusion

727
00:30:12,560 --> 00:30:09,210
that the iron microspheres could not

728
00:30:14,659 --> 00:30:12,570
have come from the fire also debunked is

729
00:30:15,860 --> 00:30:14,669
the conclusion that these spheres the

730
00:30:18,980 --> 00:30:15,870
presence of these iron microspheres

731
00:30:21,950 --> 00:30:18,990
meant there was thermite these simple

732
00:30:23,299 --> 00:30:21,960
claims have been debunked let's have a

733
00:30:25,940 --> 00:30:23,309
look at how the claims are made in a

734
00:30:28,159 --> 00:30:25,950
little bit more detail please architects

735
00:30:31,130 --> 00:30:28,169
engineers for 9/11 truth and this is

736
00:30:33,380 --> 00:30:31,140
Richard gage as much as six percent of

737
00:30:37,760 --> 00:30:33,390
the World Trade Center dust consisted of

738
00:30:39,620 --> 00:30:37,770

tiny previously molten iron spheres as

739

00:30:41,450 --> 00:30:39,630

we've seen this isn't actually true this

740

00:30:44,480 --> 00:30:41,460

six percent figure his quoting comes

741

00:30:46,700 --> 00:30:44,490

from the RJ Lee report which not only

742

00:30:48,500 --> 00:30:46,710

was in a highly contaminated area but

743

00:30:51,110 --> 00:30:48,510

also doesn't tell me with the other

744

00:30:54,020 --> 00:30:51,120

dust results which are all showing less

745

00:30:55,419 --> 00:30:54,030

than one percent of iron let alone iron

746

00:30:58,989 --> 00:30:55,429

microspheres

747

00:31:00,999 --> 00:30:58,999

so this speaker is rather dubious what

748

00:31:05,019 --> 00:31:01,009

does this tell us about the temperatures

749

00:31:06,909 --> 00:31:05,029

generated in the towers destruction well

750

00:31:08,649 --> 00:31:06,919

as we've seen it risen tell us anything

751

00:31:10,839 --> 00:31:08,659

because you can get these iron

752

00:31:16,359 --> 00:31:10,849

microspheres from a very low temperature

753

00:31:18,669 --> 00:31:16,369

fire when the usgs collected samples of

754

00:31:21,669 --> 00:31:18,679

the World Trade Center dust they've

755

00:31:24,399 --> 00:31:21,679

found the iron microspheres in so far

756

00:31:26,589 --> 00:31:24,409

the usgs does not have a valid

757

00:31:30,070 --> 00:31:26,599

explanation for the presence of these

758

00:31:31,539 --> 00:31:30,080

iron microspheres the usgs wasn't

759

00:31:33,339 --> 00:31:31,549

actually looking for an explanation for

760

00:31:35,799 --> 00:31:33,349

these iron microspheres it simply noted

761

00:31:37,149 --> 00:31:35,809

what was in the dust there was all kinds

762

00:31:39,609 --> 00:31:37,159

of things that found in the dust and

763

00:31:41,709 --> 00:31:39,619

their aim was simply to catalog what was

764

00:31:43,989 --> 00:31:41,719

there and as we've seen there's a whole

765

00:31:46,329 --> 00:31:43,999

bunch of explanations for iron

766

00:31:51,279 --> 00:31:46,339

microspheres been found in the dust so

767

00:31:53,349 --> 00:31:51,289

wonder the microspheres contain iron is

768

00:31:56,589 --> 00:31:53,359

the main element and then it has smaller

769

00:32:00,310 --> 00:31:56,599

portions of aluminum sulfur a trace of

770

00:32:02,619 --> 00:32:00,320

manganese let's back up here for a

771

00:32:04,749 --> 00:32:02,629

little context mr. Loeb dill is talking

772

00:32:06,310 --> 00:32:04,759

about the USGS survey that categorized

773

00:32:10,209 --> 00:32:06,320

the various World Trade Center dust

774

00:32:13,239 --> 00:32:10,219

particles in that survey they found four

775

00:32:15,310 --> 00:32:13,249

just four iron rich particles of these

776

00:32:15,879 --> 00:32:15,320

four particles only two of them were

777

00:32:18,669 --> 00:32:15,889

spheres

778

00:32:20,409 --> 00:32:18,679

I don't know these two only one of them

779

00:32:23,649 --> 00:32:20,419

had the chemical composition that he

780

00:32:25,599 --> 00:32:23,659

describes the two spheres particle three

781

00:32:28,089 --> 00:32:25,609

and four had very different compositions

782

00:32:30,279 --> 00:32:28,099

the analysis that mr. Loeb Hill shows is

783

00:32:32,289 --> 00:32:30,289

for particle for this actually matches

784

00:32:34,329 --> 00:32:32,299

particle one very closely if we scale it

785

00:32:36,009 --> 00:32:34,339

to remove the large carbon peak but

786

00:32:38,529 --> 00:32:36,019

particle one is a flake of iron another

787

00:32:40,539 --> 00:32:38,539

sphere the other sphere particle three

788

00:32:42,459 --> 00:32:40,549

has the same composition of particle two

789

00:32:44,560 --> 00:32:42,469

which is again a flake and not a sphere

790

00:32:47,859 --> 00:32:44,570

but has a very different composition two

791

00:32:49,719 --> 00:32:47,869

particle for the one mr. Lobel showed to

792

00:32:52,419 --> 00:32:49,729

cap it off other analysis of other

793

00:32:54,579 --> 00:32:52,429

spheres shows different compositions

794

00:32:56,889 --> 00:32:54,589

again like these ones that show huge

795

00:32:59,109 --> 00:32:56,899

amounts of silicon it's where we're

796

00:33:00,789 --> 00:32:59,119

seeing 50 types of thermite where are we

797

00:33:02,229 --> 00:33:00,799

simply seeing the sphere formation

798

00:33:03,489 --> 00:33:02,239

incorporating whatever happens to me

799

00:33:05,259 --> 00:33:03,499

next to it or what hit it

800

00:33:07,149 --> 00:33:05,269

stuff like concrete which would ever

801
00:33:07,820 --> 00:33:07,159
luminaire silicates and calcium rock in

802
00:33:09,050 --> 00:33:07,830
it

803
00:33:11,000 --> 00:33:09,060
the other components could even come

804
00:33:13,370 --> 00:33:11,010
from paint in the case of the Spears

805
00:33:15,050 --> 00:33:13,380
that came from burning paint chips like

806
00:33:18,110 --> 00:33:15,060
the ones from my wheelbarrow you must

807
00:33:21,110 --> 00:33:18,120
have had a much hotter heat source for

808
00:33:25,880 --> 00:33:21,120
you to get 2700 degrees Fahrenheit in

809
00:33:28,580 --> 00:33:25,890
order to melt the iron so yes you need a

810
00:33:30,320 --> 00:33:28,590
very high temperature in order to melt

811
00:33:32,330 --> 00:33:30,330
the iron but the fallacy here is that

812
00:33:34,580 --> 00:33:32,340
you need an external heat source as

813
00:33:37,100 --> 00:33:34,590

we've seen the iron itself the

814

00:33:39,710 --> 00:33:37,110

combustion of the iron in the form of

815

00:33:42,650 --> 00:33:39,720

tiny sparks is what's actually creating

816

00:33:45,590 --> 00:33:42,660

the heat source for a lot of the

817

00:33:48,320 --> 00:33:45,600

potential iron microspheres that are not

818

00:33:50,390 --> 00:33:48,330

counting the ones that are formed after

819

00:33:53,720 --> 00:33:50,400

or before and after they collapse with

820

00:33:56,330 --> 00:33:53,730

the arc welding and the cutting and the

821

00:33:59,930 --> 00:33:56,340

angle grinding but you don't actually

822

00:34:02,630 --> 00:33:59,940

need an external heat source the iron

823

00:34:05,030 --> 00:34:02,640

itself provides that heat source to get

824

00:34:06,350 --> 00:34:05,040

these molten spheres your heat source

825

00:34:10,790 --> 00:34:06,360

must be something like a chemical

826

00:34:13,550 --> 00:34:10,800

reaction that actually is true in the

827

00:34:18,050 --> 00:34:13,560

case of the sparks the chemical reaction

828

00:34:22,490 --> 00:34:18,060

is iron plus oxygen gives iron oxide

829

00:34:24,889 --> 00:34:22,500

plus a lot of heat and as we've seen ten

830

00:34:27,560 --> 00:34:24,899

times as much heat as is needed to melt

831

00:34:29,960 --> 00:34:27,570

the equivalent amount of iron so yes

832

00:34:32,630 --> 00:34:29,970

there's a chemical reaction but it's

833

00:34:35,570 --> 00:34:32,640

just the combustion of iron an

834

00:34:38,389 --> 00:34:35,580

exothermic chemical reaction an

835

00:34:38,750 --> 00:34:38,399

exothermic chemical reaction oxygen plus

836

00:34:40,970 --> 00:34:38,760

iron

837

00:34:43,880 --> 00:34:40,980

that reacts in the case of thermite

838

00:34:47,389 --> 00:34:43,890

reacts at 4,500 degrees Fahrenheit and

839

00:34:54,230 --> 00:34:47,399

clearly the combustion of iron and

840

00:34:56,210 --> 00:34:54,240

oxygen is both enough to melt iron so

841

00:34:58,780 --> 00:34:56,220

summing things up there are multiple

842

00:35:00,950 --> 00:34:58,790

ways that you can make iron microspheres

843

00:35:03,230 --> 00:35:00,960

there are ways that would have occurred

844

00:35:06,470 --> 00:35:03,240

before the collapse during the

845

00:35:08,510 --> 00:35:06,480

construction during the fire during the

846

00:35:09,560 --> 00:35:08,520

collapse and after the collapse during

847

00:35:11,720 --> 00:35:09,570

the cleanup efforts

848

00:35:13,910 --> 00:35:11,730

the spheres that have been found are

849

00:35:15,560 --> 00:35:13,920

consistent with these various ways and

850

00:35:17,390 --> 00:35:15,570

they're all differences are not really

851
00:35:20,420 --> 00:35:17,400
consistent with some kind of thermite

852
00:35:27,630 --> 00:35:24,749
so in conclusion the evidence of iron

853
00:35:31,109 --> 00:35:27,640
microspheres for nano thermite has been

854
00:35:33,930 --> 00:35:31,119
debunked this does not mean that 911 was

855
00:35:35,339 --> 00:35:33,940
not a controlled demolition nor does it

856
00:35:38,579 --> 00:35:35,349
prove that the buildings were brought

857
00:35:41,969 --> 00:35:38,589
down by impacts and fire alone my goal

858
00:35:43,440 --> 00:35:41,979
here is not to convince you of that all

859
00:35:45,690 --> 00:35:43,450
I wanted to do is to get you think about

860
00:35:47,989 --> 00:35:45,700
this one claimed piece of evidence it's

861
00:35:50,190 --> 00:35:47,999
been around for a decade but it's wrong

862
00:35:51,089 --> 00:35:50,200
this is wrong there maybe something else

863
00:35:53,700 --> 00:35:51,099

is wrong too

864

00:35:55,499 --> 00:35:53,710

maybe you should check so don't change

865

00:35:57,239 --> 00:35:55,509

around about 911 just because of this

866

00:35:58,620 --> 00:35:57,249

one thing but consider that not

867

00:36:01,109 --> 00:35:58,630

everything you've accepted for all these