

1

00:00:00,000 --> 00:00:07,000

I'd like to start asking you a few questions if I could, Don, about your father.

2

00:00:08,000 --> 00:00:15,000

Not long ago we found out that your father actually put the project signed together and started the project.

3

00:00:16,000 --> 00:00:26,000

First what I would like to ask you is if you could describe your father, what he was like as a father, what he looked like, what he enjoyed doing.

4

00:00:27,000 --> 00:00:32,000

Well that's a tough question.

5

00:00:33,000 --> 00:00:45,000

He was 110% German and because I carry those genes too, his father came over from Hanover, Germany and we traced him back that way.

6

00:00:45,000 --> 00:00:52,000

So he had the mind of his own, you might say he could have been stubborn, but he was a very dedicated man.

7

00:00:53,000 --> 00:00:58,000

That's from our religious point of view, we're all race Catholics and he was too, of course.

8

00:00:59,000 --> 00:01:04,000

And so he had this mindset that he was a workaholic.

9

00:01:05,000 --> 00:01:09,000

He worked very hard trying to do what he thought was best.

10

00:01:09,000 --> 00:01:12,000

He was not a politician.

11

00:01:13,000 --> 00:01:19,000

As I expressed you earlier, he would be the first one to piss off the Pope for a conversation.

12

00:01:20,000 --> 00:01:28,000

He just said what he wanted and he had a very narrow lip and so he smiled but we didn't often see it.

13

00:01:29,000 --> 00:01:35,000

He was very dedicated to his work and he always talked about aviation and the monoclonal.

14

00:01:35,000 --> 00:01:39,000

He had a few close friends, not many.

15

00:01:40,000 --> 00:01:44,000

He was an automobile freak, he always loved the big B-Rex, the big cars.

16

00:01:45,000 --> 00:01:52,000

And yours and the spare time was working on him changing spark plugs and changing oil and doing mechanical things.

17

00:01:53,000 --> 00:01:56,000

Do you remember any of your father's friend's names?

18

00:01:56,000 --> 00:02:06,000

Yeah, there was a fellow by my name, Murray, who lived in Dayton, Ohio, that just kind of behind this house, the folks around it.

19

00:02:07,000 --> 00:02:09,000

Did he work at Pat's?

20

00:02:10,000 --> 00:02:14,000

No, I forget whether Mr. Murray worked in the right pat or not.

21

00:02:15,000 --> 00:02:23,000

But they would just joke along with each other and maybe the first ones that have a TV set would go very much black and white and flash way in the darkened room.

22

00:02:24,000 --> 00:02:30,000

There was another one, again, his name now, but they were kind of friends too.

23

00:02:31,000 --> 00:02:33,000

I think it was, honestly, Johnson, but I might be off the nut.

24

00:02:34,000 --> 00:02:39,000

But he had just a handful of friends and spent some limited times with them.

25

00:02:40,000 --> 00:02:43,000

What did he do with his friends? Did he travel together?

26

00:02:44,000 --> 00:02:51,000

Well, I think the Murray's that came out here in 1948, and went over the Pike's Peak.

27

00:02:52,000 --> 00:02:58,000

He just bought a brand new 48 Plymouth and made a trip out west for a couple of weeks.

28

00:02:59,000 --> 00:03:03,000

But that was about the only trip I remember with his family, as I recall.

29

00:03:04,000 --> 00:03:06,000

He didn't really take vacations.

30

00:03:06,000 --> 00:03:11,000

And the only time we got together as a family was once a while, Friday night, for dinner.

31

00:03:12,000 --> 00:03:14,000

Of course, there was a fish dinner in those days.

32

00:03:15,000 --> 00:03:24,000

Then, Sunday afternoon, was the family drive, which my brother and I would usually end up in hands and back to the car waiting for my dad to get ready.

33

00:03:25,000 --> 00:03:32,000

And so, it ended up swacking us back to this, we drove along and you, the family drive, ended up with a big family argument.

34

00:03:33,000 --> 00:03:40,000

But we would go to church Sunday morning, and then in the afternoon we had a family drive.

35

00:03:41,000 --> 00:03:42,000

And, uh...

36

00:03:43,000 --> 00:03:44,000

Did you have a big few weeks?

37

00:03:45,000 --> 00:03:46,000

Yeah, it was a big car, a big big truck.

38

00:03:47,000 --> 00:03:51,000

And of course, when he left the right path, he got the gel, but it was an unaccelerated chemical car.

39

00:03:52,000 --> 00:03:57,000

He had himself a nice big 1951 Cadline, a baby blue.

40

00:03:58,000 --> 00:04:00,000

Where did you go on your Sunday drive?

41

00:04:00,000 --> 00:04:07,000

Well, just driving in the areas in Bate and Ohio, not too far away, you'd be a hour-job drive.

42

00:04:08,000 --> 00:04:11,000

So on Sundays was about the only time you really got to interact with your dad?

43

00:04:12,000 --> 00:04:19,000

Yeah, and that was family time. Once in a while it would be a Friday evening dinner, some restaurant, a fish dinner.

44

00:04:20,000 --> 00:04:22,000

And then we'd go over to the Murray's house.

45

00:04:23,000 --> 00:04:29,000

And I'm trying to remember the other man's name, but we didn't see them as often as I think Murray was probably his best friend.

46

00:04:31,000 --> 00:04:35,000

He would talk once in a while about his work, but not too often.

47

00:04:36,000 --> 00:04:41,000

And he was always... Murray seemed to have a basement someplace in the house.

48

00:04:42,000 --> 00:04:46,000

He was always down there working on aircraft drives, his inventions.

49

00:04:47,000 --> 00:04:53,000

And then he started making his solid propellances, where he was pounding solid rockets down in the basement.

50

00:04:54,000 --> 00:04:55,000

Do you ever have any fear of me if something might blow up?

51

00:04:55,000 --> 00:04:58,000

Well, my mother was always concerned about that.

52

00:04:59,000 --> 00:05:03,000

And I used to go down and see him pound his rockets and then I saw what black powder was.

53

00:05:04,000 --> 00:05:10,000

And I used to steal some of that. And I used to have these little metal airplanes, you know, toy aircrafts.

54

00:05:11,000 --> 00:05:15,000

One time I went and got my little airplane with like a coarse air.

55

00:05:16,000 --> 00:05:20,000

And I got something with black powder and put it in a little paper bag underneath the wing.

56

00:05:20,000 --> 00:05:26,000

And then lit a fuse and unfortunately the fuse as fast as I was and it blew up in my face.

57

00:05:27,000 --> 00:05:29,000

So I was all blackened from my black powder.

58

00:05:30,000 --> 00:05:31,000

What did that do?

59

00:05:32,000 --> 00:05:34,000

He didn't know about it. He didn't know I stole some of his black powder.

60

00:05:35,000 --> 00:05:41,000

But the fumes, they always had the fumes down the basement working with testers, cement,

61

00:05:42,000 --> 00:05:45,000

these always building metal airplanes. And then plus working with black powder.

62

00:05:46,000 --> 00:05:49,000

And I think this was a cause of his cancer, right?

63

00:05:50,000 --> 00:05:52,000

And all those toxic fumes.

64

00:05:53,000 --> 00:06:01,000

And he was a workaholic. He worked at an abasement and noise and I was drawing and that was all his time.

65

00:06:02,000 --> 00:06:09,000

When he spent time with me, he would be talking about hydrals of effective wings and so forth and some very technical stuff.

66

00:06:10,000 --> 00:06:12,000

And I like a good sun, try to stay awake.

67

00:06:13,000 --> 00:06:20,000

But it was very few times that he really would be like a good buddy.

68

00:06:21,000 --> 00:06:30,000

And a couple of times being active in the scouts, he would come to some of the meetings where I would give a discussion about making plaster cast of animals.

69

00:06:31,000 --> 00:06:36,000

One of the scout group and one of the parents. And he would come to a couple of those meetings.

70

00:06:37,000 --> 00:06:41,000

And I did drag him out to a couple of camp meetings where we did some hikes.

71

00:06:42,000 --> 00:06:45,000

And he really suffered the most and he was not an out of doors man.

72

00:06:46,000 --> 00:06:54,000

And so, you know, sleeping in the tent and then eating some overcooked fried eggs in the morning or whatever.

73

00:06:55,000 --> 00:07:00,000

So I got some old pictures of him with a handkerchief on his forehead, sweating away in a little hike.

74

00:07:01,000 --> 00:07:04,000

But I think he went out about two camp meetings with me.

75

00:07:04,000 --> 00:07:06,000

And that was enough for me.

76

00:07:07,000 --> 00:07:09,000

And then he took me out to these smaller aircraft meets.

77

00:07:10,000 --> 00:07:15,000

He would have those Sunday with his flyers, rocket propelled airplanes when it was a kind of a sweat point to deal.

78

00:07:16,000 --> 00:07:21,000

And everybody would order that and take off the solid propellants and he would make solid rockets.

79

00:07:22,000 --> 00:07:28,000

And then he told me back in those days that the first ones were back in 1938.

80

00:07:29,000 --> 00:07:42,000

But when I was, I guess in grade school, I think some of these modern airplane meets and people would be flying gasoline powered motors and they could have his rocket engines out there.

81

00:07:43,000 --> 00:07:51,000

But he was always told me that the problem with solid propellants, they would get cracked and voided to them and they would cause explosions.

82

00:07:51,000 --> 00:07:57,000

And later on when they got into the space age rockets, he said that was a problem with the solid propellants.

83

00:07:58,000 --> 00:08:00,000

And that's where they switched to liquids.

84

00:08:01,000 --> 00:08:03,000

He constantly avoided the problem with detonation.

85

00:08:04,000 --> 00:08:07,000

Real tough question here, but I need to ask it.

86

00:08:09,000 --> 00:08:12,000

You say your father was a workaholic.

87

00:08:13,000 --> 00:08:16,000

Didn't really spend all that much time with him.

88

00:08:17,000 --> 00:08:19,000

How did you and Jim feel about that?

89

00:08:21,000 --> 00:08:26,000

Well, we had our outside friends that was a splintered family deal.

90

00:08:29,000 --> 00:08:31,000

He and my dad never got along too altogether.

91

00:08:32,000 --> 00:08:34,000

And there was always a...

92

00:08:35,000 --> 00:08:36,000

Maybe a reason?

93

00:08:37,000 --> 00:08:39,000

Well, I guess they had a different opinion.

94

00:08:40,000 --> 00:08:43,000

Jim finally went to West Point, got appointed to West Point.

95

00:08:44,000 --> 00:08:49,000

And he was very glad to leave home because he and dad didn't get along well together.

96

00:08:51,000 --> 00:08:57,000

And I guess I was his favorite, but he never did spend that much time with me.

97

00:08:58,000 --> 00:09:00,000

Because I missed the public contact at times.

98

00:09:01,000 --> 00:09:09,000

But he always had his projects, whether it was working in the basement and aircraft drawings, aeronautical and nature things.

99

00:09:10,000 --> 00:09:11,000

Or he was working on his car.

100

00:09:12,000 --> 00:09:19,000

And I get to hate to order projects because if I wanted to go place and place and people would make a couple on a project.

101

00:09:19,000 --> 00:09:23,000

And I was quarantined until I did some little work like that.

102

00:09:24,000 --> 00:09:26,000

So you actually went into the basement and do his workshops?

103

00:09:27,000 --> 00:09:29,000

Oh yeah, I was down there a lot with him at the time.

104

00:09:30,000 --> 00:09:32,000

But he was very busy and he talked very technical talk with me at the time.

105

00:09:33,000 --> 00:09:40,000

And for a lot of times he'd be working on his cars and vehicles and so forth.

106

00:09:41,000 --> 00:09:42,000

But he always had...

107

00:09:44,000 --> 00:09:47,000

He was always busy within himself and never had that much time for family.

108

00:09:48,000 --> 00:09:55,000

Of course my brother and I in grade school, we took piano lessons as we had our practice in piano at times.

109

00:09:56,000 --> 00:09:57,000

And my mother worked...

110

00:09:58,000 --> 00:09:59,000

What was your previous name?

111

00:10:00,000 --> 00:10:01,000

Merion.

112

00:10:02,000 --> 00:10:06,000

And she was a very good tennis player and she gave it up after she left college.

113

00:10:07,000 --> 00:10:12,000

And I said, well she should have kept it up and made her live longer I think.

114

00:10:12,000 --> 00:10:17,000

But I've done the same thing. I played a lot of tennis and I gave up eight years ago.

115

00:10:18,000 --> 00:10:20,000

I guess it's got to be a tennis problem.

116

00:10:21,000 --> 00:10:23,000

We do change as we get older.

117

00:10:24,000 --> 00:10:27,000

But as far as getting back to dad, he was just...

118

00:10:29,000 --> 00:10:33,000

He wasn't an easy person to get to know and our vacations would be...

119

00:10:34,000 --> 00:10:35,000

You ask about travel.

120

00:10:36,000 --> 00:10:39,000

We'd go to see his mother in Ambridge, Pennsylvania.

121

00:10:39,000 --> 00:10:43,000

And sometimes they'd drop us off there. My brother and I had forgotten such great weeks.

122

00:10:44,000 --> 00:10:47,000

We hated that because we had our cousins to play with.

123

00:10:48,000 --> 00:10:50,000

The farm we'd call it was just a big...

124

00:10:51,000 --> 00:10:55,000

Old family home where dad was raised and Ambridge been spending.

125

00:10:56,000 --> 00:11:01,000

And it was just an acreage, a lot of woods and all. It's not really a farm but we called it the farm.

126

00:11:02,000 --> 00:11:03,000

And it was down on a hollow.

127

00:11:04,000 --> 00:11:09,000

And we used to have to walk over to see our cousins and walk through cemeteries nearby.

128

00:11:10,000 --> 00:11:12,000

And it was our fun whole summer.

129

00:11:13,000 --> 00:11:14,000

So it was...

130

00:11:15,000 --> 00:11:20,000

But every time dad wanted to go someplace he wanted to visit his mother which didn't go long to her.

131

00:11:21,000 --> 00:11:24,000

My mother because his mother, my mother didn't get along too well together.

132

00:11:25,000 --> 00:11:29,000

She was a German matriarch and his crush.

133

00:11:29,000 --> 00:11:33,000

Her husband died when he was about 45 years old. He was a building in Ambridge.

134

00:11:34,000 --> 00:11:36,000

And he died from ruptured appendix.

135

00:11:37,000 --> 00:11:42,000

But the German attitude then, you know, you can't be sick and you're a sexual assistant.

136

00:11:43,000 --> 00:11:46,000

So he never did go to see the doctors or he died in the 45.

137

00:11:47,000 --> 00:11:51,000

But then his wife, my grandmother, dad's mother,

138

00:11:52,000 --> 00:11:56,000

then took over the family and raised seven children with an iron hand.

139

00:11:57,000 --> 00:12:00,000

And you can see the fear of God in her eyes anytime we got together.

140

00:12:01,000 --> 00:12:05,000

Because no one stepped out of lying from free to loaded because she'd given a yield.

141

00:12:06,000 --> 00:12:08,000

She was snooking real fast.

142

00:12:09,000 --> 00:12:14,000

But the family meetings there in Ambridge when we did the family would stay together

143

00:12:15,000 --> 00:12:20,000

and they'd get together and sing and when we would play the piano my dad used to play the drums.

144

00:12:21,000 --> 00:12:26,000

And so the musical would get together all the cousins and uncles and aunts and so forth.

145

00:12:27,000 --> 00:12:30,000

And then there was Horace had what they called the lunch at midnight.

146

00:12:31,000 --> 00:12:41,000

One of the host, one of the brothers would have the group over and he had to provide a big spread on the table at lunch.

147

00:12:42,000 --> 00:12:46,000

And if it wasn't enough, he'd be here from the other brothers and sisters.

148

00:12:47,000 --> 00:12:49,000

Sounds like the family I belong to.

149

00:12:50,000 --> 00:12:53,000

Whatever you put the food out, everybody shows up.

150

00:12:54,000 --> 00:12:59,000

So that was the extent of the family classification of visiting maybe old homestead and visiting his mother.

151

00:13:00,000 --> 00:13:03,000

We know your father traveled an awful lot on business.

152

00:13:04,000 --> 00:13:10,000

Were there any times at all that you can remember that you accompanied him on a business trip?

153

00:13:10,000 --> 00:13:23,000

You know all the business trips were the government and they were just by himself or some other people from like Wright-Patterson Air Force Base.

154

00:13:24,000 --> 00:13:26,000

He did travel quite a bit though.

155

00:13:27,000 --> 00:13:32,000

I would like to mention some names and if you have any recollection, tell me about those.

156

00:13:32,000 --> 00:13:40,000

Have you ever heard of at the time, not recently, Colonel Howard McCoy?

157

00:13:41,000 --> 00:13:43,000

Yeah, I remember the name McCoy.

158

00:13:44,000 --> 00:13:45,000

Did he ever come over to the house?

159

00:13:46,000 --> 00:13:47,000

No.

160

00:13:48,000 --> 00:13:49,000

How about Albert Jarman?

161

00:13:50,000 --> 00:13:51,000

No, I've mentioned that.

162

00:13:52,000 --> 00:13:59,000

He did mention at times some colonels he worked for and they were very unhappy but they were the way they handled their end of the business.

163

00:13:59,000 --> 00:14:03,000

Did he tell you exactly what was going on?

164

00:14:04,000 --> 00:14:05,000

Was causing his unhappiness?

165

00:14:06,000 --> 00:14:16,000

No, well, he was a civilian and he always sought the military people and competent as far as being professional aeronautical engineers.

166

00:14:17,000 --> 00:14:19,000

And he was doing and trying to get down.

167

00:14:20,000 --> 00:14:28,000

As a sudden he was a very dedicated man and he believed in what he was doing and if anybody else differed with him they were wrong.

168

00:14:29,000 --> 00:14:31,000

Of course I'd say that to you for it yourself.

169

00:14:32,000 --> 00:14:40,000

Well, your father was a genius when it came to the last type of ratio aircraft and all kinds of other things.

170

00:14:43,000 --> 00:14:50,000

And I can understand why he would probably think that military engineers probably just couldn't keep up with him.

171

00:14:51,000 --> 00:14:57,000

Because he was obviously a very forward thinking man as far as designs and things like this.

172

00:14:58,000 --> 00:14:59,000

Is this kind of what?

173

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

Well, it's out the military people were not really, I don't know their backgrounds but I doubted whether they were professional aeronautical engineers or physicists and so forth.

174

00:15:14,000 --> 00:15:18,000

Einstein had his friends with people too. He was the same way.

175

00:15:20,000 --> 00:15:25,000

And people didn't get along with Einstein either because he had his weird thinking.

176

00:15:26,000 --> 00:15:30,000

And he studied what other people were doing like it.

177

00:15:31,000 --> 00:15:36,000

And his patents about Horton during the design but he was up to date in what other countries were doing.

178

00:15:38,000 --> 00:15:43,000

As far as at the edge of aeronautical designs.

179

00:15:44,000 --> 00:15:52,000

He helped Blank aircraft and he used his chief's dress analysis and he helped them put together a better aircraft.

180

00:15:52,000 --> 00:15:57,000

And that's when Blank's son called me back in about 1990, back in the day.

181

00:15:58,000 --> 00:16:01,000

And he said his dad spoke grow and they got my dad's work with him.

182

00:16:02,000 --> 00:16:03,000

Do you remember the name?

183

00:16:04,000 --> 00:16:09,000

I had to forget his first name but it was Blank family and I think they were my mother.

184

00:16:10,000 --> 00:16:14,000

Doesn't some aircraft work up in Michigan at that time. It's about 1990.

185

00:16:15,000 --> 00:16:18,000

I think they worked with Blank in about 1938 or so.

186

00:16:19,000 --> 00:16:20,000

It was a downer work.

187

00:16:22,000 --> 00:16:28,000

But just like when dad started using his solid components in his model airplanes.

188

00:16:29,000 --> 00:16:32,000

That was such a breakthrough. Everybody else was using his gas and manju.

189

00:16:33,000 --> 00:16:38,000

And so he was doing something. He was about 20 years ahead of his time.

190

00:16:41,000 --> 00:16:44,000

Did he ever mention the Horton brothers to you?

191

00:16:45,000 --> 00:16:46,000

No. Down in the workshop or anything?

192

00:16:46,000 --> 00:16:51,000

No. As I said he rarely mentioned anything about work.

193

00:16:52,000 --> 00:16:56,000

I remember one Colonel or Major Sweet it was.

194

00:16:57,000 --> 00:17:00,000

He was one of his friends in the military and he was a glider pilot.

195

00:17:01,000 --> 00:17:07,000

And one of his aircraft makes, I thought of running down Colonel Sweet to see or Major Sweet to see if he was still alive.

196

00:17:08,000 --> 00:17:10,000

If he remembered anything about my dad's work.

197

00:17:11,000 --> 00:17:14,000

But they were, that was probably his closest friend in the military.

198

00:17:15,000 --> 00:17:16,000

It was one of the front of the army.

199

00:17:17,000 --> 00:17:20,000

Major Sweet took me up in the glider. They had the glider contest one time.

200

00:17:21,000 --> 00:17:25,000

And they stabbed me in the back seat of this glider and they pulled us off.

201

00:17:26,000 --> 00:17:30,000

And all of a sudden we started doing spins and they threw out a roll of toilet paper.

202

00:17:31,000 --> 00:17:34,000

And I thought what are you usually doing? I was maybe 12 years old at the time.

203

00:17:34,000 --> 00:17:42,000

They threw us out of the roll of toilet paper at the cockpit and they made two tight turns and cut the toilet paper twice with a wing tip.

204

00:17:43,000 --> 00:17:48,000

And the interval of time shows whether you win or lose. You're standing with the other glider pilots.

205

00:17:49,000 --> 00:17:50,000

Wow, I've never heard that.

206

00:17:51,000 --> 00:17:57,000

Yeah, and seeing that toilet paper roll out and all you saw the horizon and the ground all get mixed up together as you win in a tight spin.

207

00:17:58,000 --> 00:18:03,000

And then they had a dive on. This is all on the glider and got to fly within the target.

208

00:18:04,000 --> 00:18:09,000

And then another event was to land in the shortest period of time.

209

00:18:10,000 --> 00:18:19,000

Where you've ever been in the glider, you're sitting on a board and there's a skid in the nose and there's a small wheel underneath this board to sit on.

210

00:18:20,000 --> 00:18:23,000

And it's flying to the runway and they had this wire as your string pulled up.

211

00:18:23,000 --> 00:18:28,000

And as soon as you pass that, you're supposed to drop and land at the shortest distance.

212

00:18:29,000 --> 00:18:33,000

The spoilers up, which would kill the airflow in the wings and you'd drop like a rock.

213

00:18:34,000 --> 00:18:38,000

Meanwhile, your rear end is on this board, which is right next to the ground.

214

00:18:39,000 --> 00:18:44,000

And it was quite a shock to have your rear end bounce up by your head.

215

00:18:45,000 --> 00:18:49,000

And all of a sudden you landed in a short period of time and your eyeballs bulging out.

216

00:18:49,000 --> 00:18:53,000

And of course when you started, they put me in this back seat with a parachute.

217

00:18:54,000 --> 00:18:57,000

Because they said, here's this ring to pull and how to get out.

218

00:18:58,000 --> 00:19:00,000

Because the wing came off. Well, at that time I wanted to get out of the aircraft.

219

00:19:01,000 --> 00:19:04,000

This is the first time I've been in the glider or a sailplane.

220

00:19:05,000 --> 00:19:08,000

And it was all high-performance stuff and in the contest.

221

00:19:09,000 --> 00:19:11,000

So I didn't drop my cookies, but I don't know why.

222

00:19:12,000 --> 00:19:17,000

But I hung on and then they, after we stopped, they came to help me out and I couldn't get out of the aircraft.

223

00:19:17,000 --> 00:19:19,000

So I was waded in with the parachute.

224

00:19:20,000 --> 00:19:22,000

So, what if the wing came off?

225

00:19:23,000 --> 00:19:27,000

I jumped out like in the movies. I'd know where I would have still sat in the airplane.

226

00:19:28,000 --> 00:19:33,000

But that was his major suite. I remembered we went to quite a few glider meets.

227

00:19:34,000 --> 00:19:35,000

And that was a few times.

228

00:19:36,000 --> 00:19:38,000

Did you ever personally make models yourself?

229

00:19:39,000 --> 00:19:42,000

Yeah, I made my airplanes and of course since Dad was joined it.

230

00:19:42,000 --> 00:19:45,000

And he was always inspecting my inferior work.

231

00:19:46,000 --> 00:19:49,000

But I did quite a few of the bossa-wigging airplanes.

232

00:19:50,000 --> 00:19:51,000

That was the thing to do in those days.

233

00:19:52,000 --> 00:19:55,000

I think they were teenage or grades-on-age.

234

00:19:56,000 --> 00:20:00,000

Your father has a picture or photograph of himself.

235

00:20:01,000 --> 00:20:04,000

What appears to be a flying saucer model.

236

00:20:05,000 --> 00:20:07,000

Can you tell me something about that?

237

00:20:07,000 --> 00:20:16,000

Well, he did all this. He would tell me about all these investigations starting about 47 on UFOs.

238

00:20:20,000 --> 00:20:25,000

And it was a year after he started the investigation, which was about July 1947.

239

00:20:26,000 --> 00:20:29,000

I think about 1948 he ripped this path.

240

00:20:29,000 --> 00:20:31,000

And he made these model airplanes.

241

00:20:35,000 --> 00:20:37,000

One is a photograph you saw with the wings on it.

242

00:20:38,000 --> 00:20:42,000

And a large body oval shaped body with wings on it.

243

00:20:43,000 --> 00:20:46,000

Then he refined it to took the wings off and just made the state-wise on the back end of it.

244

00:20:47,000 --> 00:20:51,000

And he cheated. He used some wind tunnel tests of right path to prove his design.

245

00:20:52,000 --> 00:20:57,000

So he kept modifying it to get it down to look like the UFOs he'd been investigating.

246

00:20:58,000 --> 00:21:06,000

So he knew it was a flyable thing because he actually saw these UFOs.

247

00:21:07,000 --> 00:21:12,000

He visited so many people who investigated them and had sightings of them.

248

00:21:13,000 --> 00:21:17,000

And so he thought to himself, if someone else can do it, he can do it too.

249

00:21:18,000 --> 00:21:23,000

And then his research of the slides that you have is going back from, I think, 1898.

250

00:21:24,000 --> 00:21:31,000

In different countries like Russia, England, Sweden, their parabolic gliders.

251

00:21:32,000 --> 00:21:36,000

Also parachutes, proven at such a design as practical.

252

00:21:37,000 --> 00:21:39,000

And he talked about the flying wing.

253

00:21:40,000 --> 00:21:45,000

But he said there's some instability with the flying wing, which I think the Horton Brothers of Germany did.

254

00:21:46,000 --> 00:21:47,000

And then the Air Force finally came out.

255

00:21:47,000 --> 00:21:51,000

I think they built two of them and they saw some pictures of them.

256

00:21:52,000 --> 00:21:57,000

And they were very unstable, but they did build two of them and they flew them, I think, in the 1950s.

257

00:21:58,000 --> 00:22:03,000

But he said there were certain inherent design problems and he said they would never work as a just a flying wing.

258

00:22:04,000 --> 00:22:10,000

Did your father ever discuss with you his low aspect ratio aircraft design?

259

00:22:10,000 --> 00:22:17,000

Oh, yeah. Many times he would talk about the dihedral and the angles and the low aspect.

260

00:22:18,000 --> 00:22:21,000

And later on in life he got into stoles, short takeoff and landings.

261

00:22:22,000 --> 00:22:23,000

That type of aircraft.

262

00:22:24,000 --> 00:22:30,000

But he built these model airplanes and then flew them with both his rocket motors and then gasoline power.

263

00:22:31,000 --> 00:22:35,000

He had seen them fly like they'd sit in a newspaper with a flying pumpkin.

264

00:22:36,000 --> 00:22:42,000

And he would fly them, hand glide them first and some of those would wobble.

265

00:22:43,000 --> 00:22:47,000

But his concept was showing that with the right power plants.

266

00:22:48,000 --> 00:22:51,000

He said the whole secret was having an up power plant.

267

00:22:52,000 --> 00:22:56,000

And he was only using either a puller or pusher.

268

00:22:57,000 --> 00:23:04,000

The rocket engines were in the back and that was being pushed in the puller when he had the gasoline engine up in front of his...

269

00:23:05,000 --> 00:23:07,000

...flying ellipse or whatever you call them.

270

00:23:08,000 --> 00:23:10,000

It was a parabolic design aircraft.

271

00:23:11,000 --> 00:23:13,000

Still kind of a pusher kind of shape.

272

00:23:14,000 --> 00:23:17,000

And he flew that the shape was right and then he said by...

273

00:23:18,000 --> 00:23:26,000

...and his patent, he says with various slots we could direct the flow of the engine with it down to the sides of the rocket.

274

00:23:27,000 --> 00:23:30,000

And he says this way you could make 90 degree turns without any slippage.

275

00:23:31,000 --> 00:23:37,000

And there's times when he and I would be out at night and we saw what he said with UFOs, these red lights up in the sky.

276

00:23:38,000 --> 00:23:42,000

And they would make these 90 degree turns and say see that's what they can do without any slippage.

277

00:23:43,000 --> 00:23:50,000

And then the Harriet jets and I thought about it when I saw those in Atlanta at air shows in the late 1980s.

278

00:23:51,000 --> 00:23:56,000

The British Harriet jets were using somewhat the same concept by directing the flow of the jet engines.

279

00:23:56,000 --> 00:23:58,000

I saw them hover and then take off.

280

00:23:59,000 --> 00:24:04,000

But they were very primitive concern compared to what my dad had in mind back in 1948.

281

00:24:05,000 --> 00:24:09,000

The Harriet jets were an improvement on helicopters and current aircraft.

282

00:24:10,000 --> 00:24:13,000

But they still didn't have all the attributes of any patent show.

283

00:24:14,000 --> 00:24:24,000

Did the Air Force at any time to your knowledge show any interest in your father's low aspect ratio aircraft?

284

00:24:25,000 --> 00:24:26,000

Did they want it?

285

00:24:27,000 --> 00:24:29,000

I don't know of any of that.

286

00:24:30,000 --> 00:24:39,000

They did accept some of his designs like putting their little winglets on the refueling booms because they're having a lot of fighter crashers when they try to refuel them.

287

00:24:40,000 --> 00:24:46,000

So he designed his little wings with kind of the booms and stabilized it to give it flying characteristics.

288

00:24:47,000 --> 00:24:48,000

So it wouldn't look around.

289

00:24:49,000 --> 00:24:52,000

And so he did a apparently \$20 to \$20 to that design.

290

00:24:52,000 --> 00:24:54,000

And I remember that in the patent show.

291

00:24:55,000 --> 00:24:56,000

More isn't an award.

292

00:24:57,000 --> 00:25:01,000

All this work he did under government's time, he couldn't have his own patents.

293

00:25:03,000 --> 00:25:06,000

And so I don't know how he got some of these patents in his name.

294

00:25:07,000 --> 00:25:18,000

But the biggest one is the UFO model is flying pumpkin seed or flying lipstick or he did it on his own apparently.

295

00:25:18,000 --> 00:25:23,000

Were you with your dad when he tried out the flying saucer type model?

296

00:25:24,000 --> 00:25:25,000

Oh yes.

297

00:25:26,000 --> 00:25:27,000

Did you go to the wind tunnel pass?

298

00:25:28,000 --> 00:25:29,000

No, no I couldn't.

299

00:25:30,000 --> 00:25:31,000

I never went to the wind pass.

300

00:25:32,000 --> 00:25:33,000

He snuck in and did that after hours.

301

00:25:34,000 --> 00:25:35,000

That's pretty cool.

302

00:25:36,000 --> 00:25:41,000

I think he did some at Langley with his stalls.

303

00:25:42,000 --> 00:25:44,000

He was modifying his own aircraft at the time.

304

00:25:45,000 --> 00:25:50,000

And he flew them as gliders first without power planes.

305

00:25:51,000 --> 00:25:53,000

And then he modified it, kept modifying it in knowledge.

306

00:25:54,000 --> 00:25:57,000

So it got it down the way where the patent was supposed to be.

307

00:25:58,000 --> 00:26:00,000

And the big secret is power planes.

308

00:26:01,000 --> 00:26:04,000

And he said they have the UFOs that he knew about.

309

00:26:05,000 --> 00:26:06,000

They had to come in with power and they could do this.

310

00:26:07,000 --> 00:26:20,000

He said they used some type of magnetic field because when the UFOs got close to vehicles or rate of transmitters they cut off the car engines.

311

00:26:21,000 --> 00:26:25,000

And you know it's the writings that you've seen people mention that too now.

312

00:26:26,000 --> 00:26:32,000

And would your father was from talking to people who had a UFO sighting and that?

313

00:26:33,000 --> 00:26:34,000

Would he talk to you about that?

314

00:26:34,000 --> 00:26:35,000

Yeah, he would confer to me.

315

00:26:36,000 --> 00:26:38,000

And not too much to my brother.

316

00:26:39,000 --> 00:26:43,000

I don't remember my brother being around in some of his family meetings like that or my father and I.

317

00:26:44,000 --> 00:26:45,000

And he would confer to me.

318

00:26:46,000 --> 00:26:48,000

I don't know how much to his mother but I'm into his wife.

319

00:26:49,000 --> 00:26:52,000

But she was not too concerned about all the technical aspects.

320

00:26:53,000 --> 00:26:54,000

But I happened to be an eager ear.

321

00:26:55,000 --> 00:26:59,000

So I would be someone he could talk to or through whether I was there or not.

322

00:27:00,000 --> 00:27:01,000

This is talked in anyway.

323

00:27:02,000 --> 00:27:09,000

And he had someone to be said he wanted to try out a theory and he would use me as a bouncing board.

324

00:27:10,000 --> 00:27:16,000

Just as someone to talk to not that I had come back with any input when I was 13 or 14 years old.

325

00:27:17,000 --> 00:27:22,000

Did your father ever explain to you that some of the things and some of the work that he was doing was classified?

326

00:27:23,000 --> 00:27:24,000

Yes.

327

00:27:25,000 --> 00:27:29,000

And specifically did he ever tell you what I'm telling you you're not to tell anyone?

328

00:27:29,000 --> 00:27:30,000

Yeah.

329

00:27:31,000 --> 00:27:36,000

I think he said many times was classified work and he's working on his UFO investigation.

330

00:27:37,000 --> 00:27:38,000

He did a lot of travel.

331

00:27:39,000 --> 00:27:40,000

He did mention Dr. Goddard's name.

332

00:27:41,000 --> 00:27:45,000

And then of course when after the war they bring the German scientist Walter Von Braun.

333

00:27:46,000 --> 00:27:51,000

He said he wasn't that much of a good rocket scientist but he was a good administrator.

334

00:27:52,000 --> 00:27:55,000

And he says a better brains like Dr. Walter Lippish.

335

00:27:55,000 --> 00:28:02,000

He said Von Braun was an incredible man but he was a good administrator and he said there are needs for people like that too.

336

00:28:03,000 --> 00:28:04,000

Let's talk about Lippish for a moment.

337

00:28:05,000 --> 00:28:08,000

You said that Dr. Lippish would come over to the house.

338

00:28:09,000 --> 00:28:10,000

Could you tell me about that?

339

00:28:11,000 --> 00:28:17,000

Well I would just remember this is the story and time it was a big thing to have an enemy crowd come over the house.

340

00:28:18,000 --> 00:28:26,000

That had mentioned about interviewing these rocket scientists and he thought very highly of them.

341

00:28:27,000 --> 00:28:32,000

And there's a group of them I forget how many of them are 12 or so that they brought to the right person or a poor space.

342

00:28:33,000 --> 00:28:40,000

And that was a big dinner I don't remember much about it because it was Dr. Walter Lippish was at the house and it was very pleasant.

343

00:28:41,000 --> 00:28:51,000

And of course like most non-Americans everybody can speak more than one language so it was my English first and German of course English was very different too at the time.

344

00:28:52,000 --> 00:28:54,000

So your brother spoke a lot of German in the house?

345

00:28:55,000 --> 00:29:04,000

No there's no German spoken but the doctor Lippish was bilingual and most people in other countries know not one language.

346

00:29:05,000 --> 00:29:09,000

Americans only know one language and that's bad like that's English.

347

00:29:10,000 --> 00:29:12,000

Very true, very true.

348

00:29:13,000 --> 00:29:20,000

I have tried to learn French, Spanish, I just have no knack to pick up another language.

349

00:29:21,000 --> 00:29:27,000

Well I learned Spanish by accident when I had a Texaco symbionic son from America I had to learn Spanish.

350

00:29:28,000 --> 00:29:35,000

Well if you were in a bar drinking and you want to go to a bath you've got to do something that's a story.

351

00:29:37,000 --> 00:29:40,000

Did Lippish ever talk to you first one?

352

00:29:41,000 --> 00:29:48,000

No that was just the one time I remember dinner and I was just in awe about having a foreigner sitting in the house.

353

00:29:49,000 --> 00:30:04,000

And at the time under Project Paperclip when they were bringing engineers, German engineers and scientists back to the United States there was a prisoner of war camp in Dayton at the time.

354

00:30:05,000 --> 00:30:16,000

Obviously not all of these scientists or engineers were there most of them ended up in New Mexico at the right stand out of the Gordo area and a few of them stayed on at Wright Patterson.

355

00:30:17,000 --> 00:30:22,000

Did you and your father ever visit the German POW camp there indeed?

356

00:30:23,000 --> 00:30:28,000

No I never did there was a POW camp. I just assumed they all had their housing arranged for them.

357

00:30:29,000 --> 00:30:38,000

There was never a discussor at the High Recall that there were prisoners of war they just repatriated or what you want to call it.

358

00:30:39,000 --> 00:30:46,000

Did your dad ever talk to Marin and his wife about UFOs and what did your mother think about it?

359

00:30:47,000 --> 00:30:49,000

I don't remember any input.

360

00:30:50,000 --> 00:30:58,000

They never did seem to discuss it. That always used me as a confidant. It was never seem to discuss at the dinner tables.

361

00:30:59,000 --> 00:31:06,000

It was always when he and I were at a wire cell which was usually the basement outside of my working on this car or something like that.

362

00:31:07,000 --> 00:31:10,000

So it was not a family discussion.

363

00:31:11,000 --> 00:31:18,000

Was there any UFO case that your dad investigated that he was very very excited about?

364

00:31:19,000 --> 00:31:28,000

We're always interested in certain things and is that but every once in a while there's something that really jumps out and a person really gets super excited.

365

00:31:29,000 --> 00:31:36,000

I'd say about every trip he came back and decided about every side he saw and he really believed that the UFOs were real.

366

00:31:37,000 --> 00:31:45,000

He went into a lot of investigations and they were funny things. Some use of pydation made a bad photograph of it.

367

00:31:46,000 --> 00:31:49,000

So 80% of the investigations were those.

368

00:31:50,000 --> 00:31:57,000

And people asked me about the little green man that's like Patterson Air Force Base but we had a funeral basement.

369

00:31:58,000 --> 00:32:00,000

No my dad's drinking buddies.

370

00:32:01,000 --> 00:32:07,000

I think with dad's nature that he was very serious and very truthful.

371

00:32:08,000 --> 00:32:11,000

And he confided in me all the sightings he saw.

372

00:32:12,000 --> 00:32:17,000

And he's visited to Homburgoto and New Mexico and Dr. Goddard and Walter Von Braun and all those people I met.

373

00:32:18,000 --> 00:32:20,000

And he never hid anything from me.

374

00:32:21,000 --> 00:32:23,000

Now he's never wanted to bring home paperwork.

375

00:32:24,000 --> 00:32:25,000

I never signed any classified documents.

376

00:32:25,000 --> 00:32:29,000

I never signed any work other than his own engineering drawings.

377

00:32:30,000 --> 00:32:35,000

So in those days it's different than the industrial espionage done today.

378

00:32:36,000 --> 00:32:42,000

I think all those people were very security minded and they did not bring papers home.

379

00:32:43,000 --> 00:32:46,000

That's why I don't think you'd find any documents lying around.

380

00:32:46,000 --> 00:32:56,000

Did your dad ever mention to you a report that supposedly was done by the project sign team,

381

00:32:57,000 --> 00:33:02,000

which he was the civilian head of, called the estimate of the situation?

382

00:33:03,000 --> 00:33:09,000

No I didn't find out about that until later but he did make a comment that he sent a report to Washington.

383

00:33:10,000 --> 00:33:12,000

And later I found out this was called the estimate.

384

00:33:13,000 --> 00:33:15,000

But he talked about that it was his report.

385

00:33:16,000 --> 00:33:18,000

And later we find there's no signatures.

386

00:33:19,000 --> 00:33:23,000

It's always these other people who are signing things from which is always irritating.

387

00:33:24,000 --> 00:33:27,000

But he did make the report and he said it went up to Washington.

388

00:33:28,000 --> 00:33:36,000

I'm going to say it's probably May or June of the time of year for him, 48, 49.

389

00:33:36,000 --> 00:33:43,000

And he was very upset that Washington shut it down and made no comment about it.

390

00:33:44,000 --> 00:33:46,000

So I'm real clear on this now.

391

00:33:47,000 --> 00:33:52,000

Your father told you about a report that he made and sent to the Pentagon.

392

00:33:53,000 --> 00:33:55,000

Did he mention any names on who he sent it to?

393

00:33:56,000 --> 00:33:57,000

No, he said it was hushed up.

394

00:33:58,000 --> 00:34:00,000

But he didn't give you a title of this document.

395

00:34:01,000 --> 00:34:07,000

But later on when you first heard about the estimate of the situation, then you kind of put two and two together.

396

00:34:08,000 --> 00:34:10,000

Yes, that was probably when your dad's report.

397

00:34:11,000 --> 00:34:12,000

Yeah, he put the report.

398

00:34:13,000 --> 00:34:16,000

Going back you asked me the other question about his investigation of UFOs.

399

00:34:17,000 --> 00:34:25,000

He would go to one site where something had been landed and it was blackened grass and had high sulfur smells.

400

00:34:26,000 --> 00:34:30,000

And he had one several occasions where he investigated sites like that.

401

00:34:31,000 --> 00:34:38,000

And he told me one time he thought the aliens or the UFO occupants could actually be insects.

402

00:34:39,000 --> 00:34:40,000

I don't know.

403

00:34:41,000 --> 00:34:42,000

Did he give you a reason?

404

00:34:43,000 --> 00:34:52,000

No, I was going to say because I thought that because in the ufology there have been others who think that UFOs might even be animals.

405

00:34:53,000 --> 00:35:06,000

Well, that's what I was alluding to I think that when he found these burnt areas with high sulfur smells he thought it could have been like the old dragons over here in the ufology group.

406

00:35:07,000 --> 00:35:19,000

There was something that was animal like or the insect like because he knew what the pressures had to do with standings and these vessels he traveled in.

407

00:35:20,000 --> 00:35:30,000

But if you look at some of the old UFO movies and you always have these little creatures in these helmets and if anything looks different than you and me we think it's weird.

408

00:35:31,000 --> 00:35:33,000

Of course I'm sure this creature is looking at us.

409

00:35:34,000 --> 00:35:35,000

I think it's weird.

410

00:35:36,000 --> 00:35:41,000

But he definitely believed that the UFOs exist were real.

411

00:35:42,000 --> 00:35:47,000

He definitely believed there was something that maneuvered them.

412

00:35:47,000 --> 00:35:50,000

It was real whether they were like or insect like.

413

00:35:51,000 --> 00:35:59,000

But if you look a little bit different to a stand the pressures of space they could look as soon to be like insects.

414

00:36:00,000 --> 00:36:04,000

The hard shell and we would look different on us.

415

00:36:05,000 --> 00:36:06,000

Makes a lot of sense.

416

00:36:07,000 --> 00:36:11,000

But he never mentioned anything about adoption of people any investigations.

417

00:36:11,000 --> 00:36:22,000

These were sightings were state police officers Air Force pilots who investigated commercial aircraft pilots and he knew that they were telling the truth of their sightings.

418

00:36:23,000 --> 00:36:28,000

Was there ever a time that your dad told you about going to Newfoundland?

419

00:36:29,000 --> 00:36:30,000

No.

420

00:36:31,000 --> 00:36:32,000

Investigating sightings?

421

00:36:33,000 --> 00:36:38,000

He mentioned he went to a lot of different places but I don't remember Newfoundland.

422

00:36:38,000 --> 00:36:45,000

But he did say was amazed how the electric motors or I mean car motors were stopped.

423

00:36:46,000 --> 00:36:47,000

These anti-magnetic fields.

424

00:36:48,000 --> 00:36:49,000

What did you say about that other than it was just anti-magnetic?

425

00:36:50,000 --> 00:36:57,000

We thought there was a strong magnetic force that would drive in these UFO vehicles.

426

00:36:58,000 --> 00:37:01,000

And had to do with magnetism and anti-magnetic fields.

427

00:37:02,000 --> 00:37:11,000

And to fly all these distances always felt that you had to change matter to go other distances to space.

428

00:37:12,000 --> 00:37:19,000

My dad thought they had to be very strong power plants in his vehicles to make him perform as he did.

429

00:37:20,000 --> 00:37:24,000

Typically he always used the deal making a 90 degree turn around and he slippaged you.

430

00:37:25,000 --> 00:37:33,000

Do you remember your father ever talking to the press or the media or seeing photographers at the house or anything?

431

00:37:34,000 --> 00:37:39,000

No. The only ones I saw were those newspaper clippings where they interviewed him in Richmond, Virginia.

432

00:37:40,000 --> 00:37:41,000

Thank you.

433

00:37:42,000 --> 00:37:47,000

My call, my associate, ran across a newspaper article dealing with your mother and your father.

434

00:37:48,000 --> 00:37:50,000

Back in 1932.

435

00:37:50,000 --> 00:37:53,000

They saw an unidentified fine object.

436

00:37:54,000 --> 00:37:57,000

Did your parents ever talk to you about that?

437

00:37:58,000 --> 00:37:59,000

No.

438

00:38:00,000 --> 00:38:01,000

I'd like to read it to you.

439

00:38:02,000 --> 00:38:03,000

If I could.

440

00:38:04,000 --> 00:38:06,000

It's kind of abbreviated but almost all of it's there.

441

00:38:07,000 --> 00:38:16,000

In October 1932 the couple, your mother and father, saw such an object one evening while driving near Plainsboro, New Jersey.

442

00:38:17,000 --> 00:38:18,000

He reported.

443

00:38:18,000 --> 00:38:22,000

At first they thought an aircraft was crashing nearby.

444

00:38:23,000 --> 00:38:29,000

Then the craft leveled off, flashed away at high speed, emitting a changing blue-ish-green light.

445

00:38:30,000 --> 00:38:34,000

On returning to his home, he immediately sketched the object from memory.

446

00:38:35,000 --> 00:38:42,000

Later he said former New York congressman L.G. Clemente reported he had seen an object at about the same time.

447

00:38:42,000 --> 00:38:51,000

Loading estimated the object he and his wife had seen was about 100 feet in diameter and 500 to 600 feet high up in the air.

448

00:38:52,000 --> 00:38:59,000

He said the object gave off a weird light like looking at a firefly that appeared to change shape.

449

00:39:00,000 --> 00:39:03,000

He said he had seen nothing of a similar nature since.

450

00:39:04,000 --> 00:39:07,000

And your father or your mother never talked about that?

451

00:39:07,000 --> 00:39:14,000

I never remember at all my mother saying anything about the UFOs or data they're talking to in my presence.

452

00:39:15,000 --> 00:39:16,000

Do you think he might now?

453

00:39:18,000 --> 00:39:21,000

Yeah, I guess so. I don't see why. You know, I wouldn't.

454

00:39:22,000 --> 00:39:26,000

So he saw many of the sightings and interviewed people.

455

00:39:27,000 --> 00:39:29,000

And most of it was secondhand.

456

00:39:30,000 --> 00:39:33,000

He and I had looked at some back in the skies at night.

457

00:39:34,000 --> 00:39:41,000

He was intensely interested in all the interviews he went on, especially the ones that were authentic.

458

00:39:42,000 --> 00:39:44,000

And he really bleeds the whole thing.

459

00:39:45,000 --> 00:40:00,000

Did he ever explain to you now when he came back from investigating some of the cases, how he arrived at whether he thought it could have been a joke or a hoax or why he thought certain ones were off-divided?

460

00:40:01,000 --> 00:40:12,000

Well, because the people he talked with, the credibility of them and the scientists that he was, he could see through the elxes that he'd say,

461

00:40:13,000 --> 00:40:18,000

well, these are just funny photographs. There was a saucer pants and a two-up in the air.

462

00:40:19,000 --> 00:40:28,000

And the people he talked with had a lot of credibility to speak to people, airline people, the aviation, air force people, and talk to us.

463

00:40:28,000 --> 00:40:32,000

They had no reason to give them false information.

464

00:40:33,000 --> 00:40:41,000

To your knowledge, did your father ever investigate a case where a UFO was observed by a military?

465

00:40:42,000 --> 00:40:43,000

Yes.

466

00:40:44,000 --> 00:40:46,000

What did you say about that one? Do you remember when this was?

467

00:40:46,000 --> 00:41:00,000

Well, this is a... Most of the time when he came back, he had talked to air force or army people, or state control, or at least qualified people, airline, commercial airline pilots.

468

00:41:01,000 --> 00:41:07,000

So he talked to those people and knew that what they saw were real.

469

00:41:07,000 --> 00:41:13,000

And all the sites he'd seen to fit together, they all had similar circumstances.

470

00:41:14,000 --> 00:41:28,000

They'd make fit-fields and car stops and so forth, and flashing blue lights, and how they could move so fast and get away, or hover year in aircraft, and disappear very fast.

471

00:41:28,000 --> 00:41:37,000

Did your father ever cue the air force or the army, or whatever he had ever recovered from these objects?

472

00:41:38,000 --> 00:41:46,000

No, he never mentioned that. And I think if there was something like that, he would have told me because he was treated in confidence, everything else he saw.

473

00:41:47,000 --> 00:41:55,000

And his viewpoints. And is there any crashes or green people he would have mentioned?

474

00:41:58,000 --> 00:42:05,000

Because everything he was doing was under secret clearance at that time, all the investigations and the whole project.

475

00:42:06,000 --> 00:42:16,000

He was very... And something like that, he wouldn't have been able to hold it in. He would have to tell me about something like that.

476

00:42:17,000 --> 00:42:20,000

He would have to tell you? He would be able to keep something like that?

477

00:42:20,000 --> 00:42:30,000

Yeah, because he told me about all these other sites. And the most remarkable ones were the sulfur fumes in the burnt areas. He couldn't explain that.

478

00:42:32,000 --> 00:42:35,000

So the occupants might be insect-like?

479

00:42:36,000 --> 00:42:44,000

Well, that's what he thought. It was a high-fusion sulfide fumes. That's what related to the insect you're having.

480

00:42:45,000 --> 00:42:54,000

But he said normally, if a flying machine like that, the propulsion would land in place naturally with the wind-grass.

481

00:42:57,000 --> 00:43:03,000

I want to get back a little bit back to the right field or right palace.

482

00:43:03,000 --> 00:43:14,000

After the Army Air Corps switched over and became a separate body, known as the United States Air Force, then you switched all the bases, switched over to Air Force Base.

483

00:43:15,000 --> 00:43:25,000

So it became right palace and Air Force Base. Are there any recollections at all that you have of ever going on to the base or visiting your dad's office?

484

00:43:26,000 --> 00:43:39,000

No. I never made it to his office. I don't recall being on the base. I've been by it, but I've never been on another side of the office.

485

00:43:40,000 --> 00:43:49,000

I got the impression he was happy to be away from the right path and go on in the spare time.

486

00:43:50,000 --> 00:43:56,000

I feel very forward to being home on his own, to doing his own work.

487

00:43:57,000 --> 00:44:00,000

He liked to do the traveling though, didn't he?

488

00:44:00,000 --> 00:44:01,000

Yeah.

489

00:44:01,000 --> 00:44:11,000

You stated that you had never heard the term project sign mentioned before, that you had always known it as Project Blue Book.

490

00:44:11,000 --> 00:44:12,000

Yes.

491

00:44:15,000 --> 00:44:20,000

After my file, I keep the has Project Blue Book, but not of which I've been keeping it.

492

00:44:22,000 --> 00:44:26,000

Did your father ever mention a project called Grudge?

493

00:44:26,000 --> 00:44:31,000

No. It was all the new names I found out last year too.

494

00:44:31,000 --> 00:44:32,000

Not Grudge.

495

00:44:34,000 --> 00:44:40,000

So I've taken it then that your father talked to you about some of the things that he had to worry about.

496

00:44:40,000 --> 00:44:47,000

He really never gave you names, but just what went on and some of the exciting things about it.

497

00:44:48,000 --> 00:44:55,000

He mentioned the only name was the officers in charge, and he had to work through it as a colonel.

498

00:44:55,000 --> 00:45:00,000

Did he ever mention a captain, Robert Schneider?

499

00:45:00,000 --> 00:45:01,000

No.

500

00:45:04,000 --> 00:45:05,000

Miles Gough?

501

00:45:07,000 --> 00:45:16,000

It's interesting that, that, uh, White Vandenberg, who was the commander of the General of the United States, sent the estimate up,

502

00:45:16,000 --> 00:45:19,000

it's finally important. He called it, it's finally important.

503

00:45:19,000 --> 00:45:20,000

Yeah.

504

00:45:20,000 --> 00:45:25,000

Let me ask you for a second real quick. I really want to make sure I got this.

505

00:45:25,000 --> 00:45:30,000

Your father, by himself, wrote the report.

506

00:45:30,000 --> 00:45:31,000

Yes.

507

00:45:33,000 --> 00:45:35,000

That's what he told me. It was his report.

508

00:45:35,000 --> 00:45:41,000

The reason that's important is that it sheds an awful lot of new light on things.

509

00:45:41,000 --> 00:45:49,000

Because we've always assumed that the report itself was the whole scientific report.

510

00:45:50,000 --> 00:45:56,000

And this might not necessarily be so. So this is something you really have to start looking into.

511

00:45:56,000 --> 00:46:01,000

See, my dad always told me it was his project and he was directing this project.

512

00:46:01,000 --> 00:46:08,000

And that memo in July 1947, which is where the Englishman called in, to start the investigation.

513

00:46:08,000 --> 00:46:10,000

Right, with Dr. Charles Carroll.

514

00:46:10,000 --> 00:46:15,000

And then the rest of the time, he said it was his project, his report.

515

00:46:15,000 --> 00:46:24,000

And once he got back to Ray Pat in 1955, he never again mentioned the books.

516

00:46:24,000 --> 00:46:26,000

Do you know why?

517

00:46:26,000 --> 00:46:33,000

He was very upset in 1951, I think that was when he was put in the 50-51.

518

00:46:33,000 --> 00:46:41,000

And then he got, you see the personnel reports, had them start getting on bad ratings.

519

00:46:42,000 --> 00:46:47,000

And then he made a deal about getting Ray upgraded.

520

00:46:50,000 --> 00:46:54,000

And then he got eased out, just like any other corporations, you know, running out of somebody

else.

521

00:46:54,000 --> 00:47:00,000

So they eased him out, the best one he got into, was Pennexile Chemical Company.

522

00:47:00,000 --> 00:47:05,000

But he came back to Ray Pat one year after General Vannevar died.

523

00:47:05,000 --> 00:47:06,000

Vannevar died in 1954.

524

00:47:06,000 --> 00:47:09,000

He died right back in 1955.

525

00:47:09,000 --> 00:47:11,000

Very interesting.

526

00:47:11,000 --> 00:47:13,000

Did he ever tell you why?

527

00:47:13,000 --> 00:47:14,000

No.

528

00:47:14,000 --> 00:47:18,000

Did he become a little more secretive at that point?

529

00:47:18,000 --> 00:47:26,000

No, and then when it was Langley, and of course I think Michael thought maybe he was assigned to Langley,

530

00:47:26,000 --> 00:47:35,000

near Williamsburg, to help train the astronauts and let them do what they could and enter the UFOs.

531

00:47:35,000 --> 00:47:40,000

But it's never discussed when he was out to Langley, and he never mentioned the story.

532

00:47:40,000 --> 00:47:44,000

But it's also what the astronauts are trying to do.

533

00:47:44,000 --> 00:47:51,000

But he never again mentioned the UFOs when they were dying from cancer and the sea, or a lot of the other things.

534

00:47:51,000 --> 00:47:56,000

He was so dedicated to it, you know, he only had his report, he was 47 or 50.

535

00:47:56,000 --> 00:47:58,000

And they just all of a sudden?

536

00:47:58,000 --> 00:47:59,000

They stopped.

537

00:47:59,000 --> 00:48:00,000

But his report went up to...

538

00:48:00,000 --> 00:48:02,000

Did you order to ask him?

539

00:48:02,000 --> 00:48:03,000

No.

540

00:48:03,000 --> 00:48:12,000

He didn't want to discuss it, and he was so heartbroken that his report to Washington got squelched and he got hushed up.

541

00:48:12,000 --> 00:48:14,000

He didn't mention that so much time.

542

00:48:14,000 --> 00:48:19,000

Did he say that he felt heartbroken?

543

00:48:19,000 --> 00:48:22,000

Did he ever go into detail on that?

544

00:48:22,000 --> 00:48:23,000

No.

545

00:48:23,000 --> 00:48:24,000

Because it was such a great...

546

00:48:24,000 --> 00:48:29,000

Well, none of the stories he told me about all those chips.

547

00:48:29,000 --> 00:48:32,000

This is a major project, John.

548

00:48:32,000 --> 00:48:39,000

You believe there's something there that was real, there was an aeronautical breakthrough from the pure professionalism.

549

00:48:39,000 --> 00:48:42,000

He thought that was better than sliced bread.

550

00:48:42,000 --> 00:48:49,000

And they were on the frontier of new aerodynamics, of potencies.

551

00:48:49,000 --> 00:48:50,000

All the wax.

552

00:48:50,000 --> 00:48:53,000

And all of a sudden it was put down.

553

00:48:53,000 --> 00:49:08,000

Okay, so immediately after he sent his report and Vandenberg chatted down, did that also affect your father's attitude as far as designing aircraft again?

554

00:49:08,000 --> 00:49:16,000

Did he stop designing aircraft and go off to do other things at that time?

555

00:49:16,000 --> 00:49:25,000

I guess, looking back, you're probably right, because I never knew he got laid off in a priori from the right path.

556

00:49:25,000 --> 00:49:27,000

And the personnel director doesn't show it.

557

00:49:27,000 --> 00:49:29,000

He shows indications.

558

00:49:29,000 --> 00:49:34,000

All of a sudden his ratings are going down.

559

00:49:34,000 --> 00:49:36,000

And I've seen this in the corporate life.

560

00:49:36,000 --> 00:49:38,000

They've put the pressure on him.

561

00:49:38,000 --> 00:49:43,000

So one way or another he got out.

562

00:49:43,000 --> 00:49:50,000

But when we moved to New Jersey, I never saw him do that much more work than the darn boys.

563

00:49:50,000 --> 00:49:55,000

I see he was doing more house projects out there, other things like that.

564

00:49:55,000 --> 00:49:59,000

So he just really kind of seemed to you to lost interest?

565

00:49:59,000 --> 00:50:04,000

Yeah, and then at that time he took up flying with 50.

566

00:50:04,000 --> 00:50:09,000

And then when he died in Winsburg, he had his own airplane there and he bought it in the garage.

567

00:50:10,000 --> 00:50:25,000

And he was taking the wings off and making stole, short take off the landing, and trying to modify his aircraft and spend more time than that than actual design or graphic technology.

568

00:50:25,000 --> 00:50:32,000

It's been those last few years more than short take off the landing aircraft and doing it on the fly.

569

00:50:32,000 --> 00:50:43,000

Do you recall if your father ever received any kind of special attention during the war years from scientists or high-ranked military people?

570

00:50:43,000 --> 00:50:47,000

Did you mention any kind of guise?

571

00:50:47,000 --> 00:50:54,000

You know, I've been selected to do that, so I've been selected to do that, or they've really enjoyed my work or whatever it is.

572

00:50:54,000 --> 00:51:00,000

I'm not talking about after 1948, I've talked about that too many points that way.

573

00:51:00,000 --> 00:51:07,000

Those days are on two clear earthquakes, but I know he did some traveling during the war.

574

00:51:07,000 --> 00:51:09,000

And what did he do?

575

00:51:09,000 --> 00:51:11,000

Did he ever tell you?

576

00:51:11,000 --> 00:51:16,000

No, I just don't know if I tried to trips. He flew in an military aircraft.

577

00:51:16,000 --> 00:51:24,000

I brought you the information on the hydro bomb because your father mentioned that he worked on the hydro bomb.

578

00:51:24,000 --> 00:51:29,000

Did he ever talk to you openly about his work on the hydro bomb?

579

00:51:29,000 --> 00:51:34,000

No, it wasn't until I saw some information about that a couple of years ago.

580

00:51:34,000 --> 00:51:38,000

The information I saw never did explain what an hydro bomb was.

581

00:51:38,000 --> 00:51:41,000

He never mentioned that.

582

00:51:41,000 --> 00:51:45,000

He never mentioned anything about it.

583

00:51:45,000 --> 00:51:49,000

And of course he started up the jet propulsion laboratory too, which I didn't know about.

584

00:51:49,000 --> 00:51:52,000

He's been in the Virginia at that.

585

00:51:52,000 --> 00:52:01,000

He only talked about the UFO project primarily.

586

00:52:01,000 --> 00:52:05,000

Any other work with his model aircrafts?

587

00:52:05,000 --> 00:52:08,000

Aircraft and building.

588

00:52:08,000 --> 00:52:11,000

Your dad obviously gave a little help.

589

00:52:11,000 --> 00:52:14,000

He had about 120 slides that he used.

590

00:52:14,000 --> 00:52:18,000

What kind of lectures did he give, and who did he give these when he talked to?

591

00:52:18,000 --> 00:52:23,000

I didn't really know those until I got them from another, I think.

592

00:52:23,000 --> 00:52:31,000

And then I had them in storage for 30 years until I dug them out of the storage I had in here.

593

00:52:31,000 --> 00:52:34,000

And that's the first time I look at them in years.

594

00:52:34,000 --> 00:52:39,000

Did your dad ever say what groups and then he actually talked to you?

595

00:52:39,000 --> 00:52:51,000

Now, back in those days he mentioned Dr. Goddard, Walter von Braun, and a nice miss slideshirt picture of Goddard Air Force Base.

596

00:52:51,000 --> 00:52:53,000

But he never mentioned the slides.

597

00:52:53,000 --> 00:52:59,000

I didn't know if they existed until I got them after he died.

598

00:52:59,000 --> 00:53:04,000

And I didn't realize all the patents he had made either.

599

00:53:04,000 --> 00:53:10,000

I know he had the patent attorney who was always running back and forth with him too.

600

00:53:10,000 --> 00:53:15,000

I want to ask you about displaying self survival again.

601

00:53:15,000 --> 00:53:26,000

There are two models we carried with us for several years and they both got broken up, I think in the last movie.

602

00:53:26,000 --> 00:53:40,000

The one with the first rocket model, Scrubblings with a regular commercial body and then the UFO type model.

603

00:53:40,000 --> 00:53:44,000

How big was it actually?

604

00:53:44,000 --> 00:53:50,000

I guess it was probably about two feet high.

605

00:53:50,000 --> 00:53:52,000

And from the photograph all we have is black and white.

606

00:53:52,000 --> 00:53:55,000

Did he paint it in any specific color?

607

00:53:55,000 --> 00:54:02,000

Maybe he had some bridge and then it was also with fabric.

608

00:54:02,000 --> 00:54:07,000

A regular also type.

609

00:54:07,000 --> 00:54:11,000

In other words he would make a general structure out of bulk of wood.

610

00:54:11,000 --> 00:54:13,000

Framing and all.

611

00:54:13,000 --> 00:54:15,000

Tissue.

612

00:54:15,000 --> 00:54:18,000

Did he show the engines?

613

00:54:18,000 --> 00:54:28,000

He had a rocket mount in the back of the other models where you'd see the passengers and he'd have a gasoline part motor.

614

00:54:28,000 --> 00:54:33,000

A regular motor.

615

00:54:33,000 --> 00:54:39,000

Was the model itself that he had so that he could separate it so that you could look inside of it?

616

00:54:39,000 --> 00:54:45,000

No, just the front where you'd cover up the engine, the gasoline engine.

617

00:54:45,000 --> 00:54:51,000

The rest of it was all fabric.

618

00:54:51,000 --> 00:54:57,000

Well it was three dimensional but you couldn't take it apart.

619

00:54:57,000 --> 00:55:04,000

Some models people don't think they can take apart to say, well here are the CD arrangements.

620

00:55:04,000 --> 00:55:07,000

Have the power planned?

621

00:55:07,000 --> 00:55:11,000

Well he couldn't operate the slots that he wanted to direct the power.

622

00:55:11,000 --> 00:55:17,000

So the plane would wobble a little bit unless one fast enough.

623

00:55:17,000 --> 00:55:23,000

You could imagine that he could have the sufficient power plan that he talked about.

624

00:55:23,000 --> 00:55:27,000

That the aircraft could do all things he talked about.

625

00:55:27,000 --> 00:55:32,000

Because it was being ellipsoid it had like a leading edge around the whole circumference.

626

00:55:32,000 --> 00:55:38,000

So that's why you'd go in any direction and it would be like a point of plane.

627

00:55:38,000 --> 00:55:45,000

So we know that your father kind of went on base after hours to check out his design.

628

00:55:45,000 --> 00:55:48,000

Well whether it was after hours or any time or do some print or whatever.

629

00:55:48,000 --> 00:55:56,000

But he used the facilities at Wright Madison to the wind tunnel and then to check out his design.

630

00:55:56,000 --> 00:55:59,000

I think that's really neat.

631

00:55:59,000 --> 00:56:03,000

Did this model actually fly?

632

00:56:03,000 --> 00:56:10,000

Did he put actual small solid rockets or engines or gasoline engines or anything?

633

00:56:10,000 --> 00:56:12,000

Did he actually see if it would actually fly?

634

00:56:12,000 --> 00:56:17,000

He actually flew them and I saw them fly both with the rocket motors and the gas engines.

635

00:56:17,000 --> 00:56:19,000

And they just wobble a little bit?

636

00:56:19,000 --> 00:56:21,000

Yeah, wobble a little bit.

637

00:56:21,000 --> 00:56:28,000

But then it would fly and take off and land in the gasoline engine and fuel works onto it.

638

00:56:28,000 --> 00:56:30,000

Or the rocket motors I just meant to.

639

00:56:30,000 --> 00:56:34,000

So do you remember how the gasoline engines actually work?

640

00:56:34,000 --> 00:56:38,000

I mean was it kind of a thrust or was it propeller inside?

641

00:56:38,000 --> 00:56:45,000

Well it just propelled a little bit near the front where the passenger in the steering wheel and the passenger would be getting motor sitting there.

642

00:56:45,000 --> 00:56:47,000

It fell out of front.

643

00:56:47,000 --> 00:56:50,000

It didn't operate just like any other model airplane.

644

00:56:50,000 --> 00:56:56,000

Now the pump can see, was that the actual toy?

645

00:56:56,000 --> 00:56:59,000

The pump can see what the press called it.

646

00:56:59,000 --> 00:57:04,000

I think that's originally Virginia, the press report, they call it the flying pumpkin seed.

647

00:57:04,000 --> 00:57:06,000

But that was the actual flying model.

648

00:57:06,000 --> 00:57:07,000

Okay.

649

00:57:07,000 --> 00:57:12,000

All the models he made, either they flew or he broke them up and built another one.

650

00:57:12,000 --> 00:57:14,000

If it didn't fly, he didn't show it around.

651

00:57:14,000 --> 00:57:17,000

Because everybody wanted to say, well, can you sail?

652

00:57:17,000 --> 00:57:20,000

He'd take it up and sail through the air.

653

00:57:20,000 --> 00:57:26,000

So the model of the flying saucer looking for a pump can see whatever.

654

00:57:26,000 --> 00:57:31,000

Did he design that or just for it to be a toy?

655

00:57:31,000 --> 00:57:38,000

Or did he design that to maybe show the scenarios?

656

00:57:38,000 --> 00:57:42,000

Well each side could be a production type of aircraft.

657

00:57:42,000 --> 00:57:45,000

The crew is a feasibility that was viable.

658

00:57:46,000 --> 00:57:50,000

And aeronautical, you sound, that's why he made that intensive for a patent.

659

00:57:50,000 --> 00:57:54,000

If you go through it and read that, there's a lot of technical jargon in that.

660

00:57:54,000 --> 00:58:02,000

But from that, he proved the patent by its actual flying model, both as a ground power and whip power.

661

00:58:02,000 --> 00:58:06,000

But he also, he thought it would also make a good toy?

662

00:58:06,000 --> 00:58:09,000

No, no, he never thought of it as a toy.

663

00:58:09,000 --> 00:58:14,000

It was just an engineering aeronautical breakthrough.

664

00:58:14,000 --> 00:58:21,000

And he thought of it being the answer to a family aircraft.

665

00:58:21,000 --> 00:58:24,000

He talked about that down the road.

666

00:58:24,000 --> 00:58:26,000

This would be a family way to put it.

667

00:58:26,000 --> 00:58:33,000

And some of those drawings show three or four people, family people, sitting in front.

668

00:58:33,000 --> 00:58:34,000

I think...

669

00:58:34,000 --> 00:58:36,000

He didn't like to replace cars.

670

00:58:36,000 --> 00:58:42,000

That would be a light aircraft that everybody could use.

671

00:58:42,000 --> 00:58:47,000

Because you wouldn't have the problems of airfields.

672

00:58:47,000 --> 00:58:49,000

You could land it in your backyard.

673

00:58:49,000 --> 00:58:57,000

That's what it said because the propulsion plant and the way you don't need to take off the runway is right.

674

00:58:57,000 --> 00:59:00,000

It would be a hovercraft.

675

00:59:00,000 --> 00:59:03,000

That's the kind of use it was.

676

00:59:03,000 --> 00:59:06,000

That's a family vehicle.

677

00:59:06,000 --> 00:59:12,000

So that's what he envisioned it as.

678

00:59:12,000 --> 00:59:19,000

So he's trying to put something that he investigated under a private blue book, a private sign, as UFOs,

679

00:59:19,000 --> 00:59:21,000

to make a practical application.

680

00:59:21,000 --> 00:59:24,000

And this was an aeronautical breakthrough.

681

00:59:24,000 --> 00:59:29,000

Big based on his forward thinking designs prior or during the war, prior to the war.

682

00:59:29,000 --> 00:59:43,000

And then when the UFO phenomenon, the plane disks, started being observed in 1946, beginning of 1947,

683

00:59:43,000 --> 00:59:46,000

then he thought, wow.

684

00:59:46,000 --> 00:59:52,000

Yeah, I'll probably assume that the UFOs are the persons with the best quality designs.

685

00:59:52,000 --> 00:59:55,000

I see discrimination citizens.

686

00:59:55,000 --> 00:59:57,000

I think that's it.

687

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

I mean, of course.

688

00:59:59,000 --> 01:00:07,000

But now he was able to assemble a data, but he went back as far as most of the most in the sightings of UFOs.

689

01:00:07,000 --> 01:00:09,000

That's back in a thousand years.

690

01:00:09,000 --> 01:00:13,000

Did your dad actually do a lot of reading too and a lot of research?

691

01:00:13,000 --> 01:00:19,000

He did research back in most of the most, I think, that era that was.

692

01:00:19,000 --> 01:00:21,000

That must have been a thousand years ago.

693

01:00:21,000 --> 01:00:23,000

Can you call it a thing?

694

01:00:23,000 --> 01:00:26,000

Yeah, I think this was shortly after he was born.

695

01:00:26,000 --> 01:00:29,000

But he did a lot of research that way.

696

01:00:29,000 --> 01:00:31,000

He was early after he was born.

697

01:00:31,000 --> 01:00:33,000

I'm sorry, I said you were doing an interview.

698

01:00:33,000 --> 01:00:35,000

It went right over my head.

699

01:00:35,000 --> 01:00:38,000

Mike, you need to be here. This is great.

700

01:00:38,000 --> 01:00:40,000

But he was a...

701

01:00:40,000 --> 01:00:43,000

Now, he did all that research, you know, that was something there.

702

01:00:43,000 --> 01:00:45,000

And I chatted Mike.

703

01:00:45,000 --> 01:00:47,000

Well, why cover just 100 years of UFO sight?

704

01:00:47,000 --> 01:00:49,000

Been going on for centuries.

705

01:00:49,000 --> 01:00:51,000

And that's what people forget.

706

01:00:51,000 --> 01:00:53,000

Even though they've been perused.

707

01:00:53,000 --> 01:01:00,000

All those cartons and rocks, they thought they could only be done by geophedals.

708

01:01:00,000 --> 01:01:03,000

Yeah, gouging out the rocks.

709

01:01:03,000 --> 01:01:07,000

And some of the sketches they show look like people like astronauts.

710

01:01:07,000 --> 01:01:10,000

Yeah, they look like astronauts.

711

01:01:10,000 --> 01:01:14,000

Did your dad, after 1950...

712

01:01:14,000 --> 01:01:19,000

Did you ever see your dad reading any books that were coming out around that time?

713

01:01:19,000 --> 01:01:22,000

No.

714

01:01:22,000 --> 01:01:27,000

I don't remember ever seeing a book on UFOs in those days.

715

01:01:27,000 --> 01:01:30,000

And I never did see dad, you know, take a book.

716

01:01:30,000 --> 01:01:34,000

A book I'm trying to read here with Rich Long-Lake.

717

01:01:34,000 --> 01:01:40,000

It was not a book where anything he read had to be a technical journal.

718

01:01:40,000 --> 01:01:42,000

And he just kind of...

719

01:01:42,000 --> 01:01:46,000

It was like a scientific sponge.

720

01:01:46,000 --> 01:01:49,000

He just assimilated information into it.

721

01:01:49,000 --> 01:01:51,000

And he talked to people.

722

01:01:51,000 --> 01:01:54,000

And you see the... he was turning their brains inside out.

723

01:01:54,000 --> 01:01:59,000

He wouldn't ask a question unless we wondered what the right answer was.

724

01:01:59,000 --> 01:02:03,000

And he just assimilated information to everybody he talked to.

725

01:02:03,000 --> 01:02:10,000

And so when he talked to these gerontologists and Dr. Goddard and anybody else,

726

01:02:10,000 --> 01:02:15,000

he was just bringing it all in like his friends and trying to put it into perspective.

727

01:02:15,000 --> 01:02:18,000

Which, in my opinion, was something practical.

728

01:02:18,000 --> 01:02:24,000

He was not going into theoretical stuff as much as what's practical and useful.

729

01:02:24,000 --> 01:02:29,000

So he would not build a... the punk-conceit or uro-told model to be a toy for kids.

730

01:02:29,000 --> 01:02:35,000

Even something they could do. They could fly and have to have a vacation.

731

01:02:35,000 --> 01:02:41,000

And all of his inventions apparently just had to bring what's for the protruding crew.

732

01:02:41,000 --> 01:02:50,000

And of course his brother, Herb, who was an engineer, he designed the first gentry, again...

733

01:02:50,000 --> 01:02:54,000

gentry visitor. The thing that helped the spaceships.

734

01:02:54,000 --> 01:02:58,000

I can't believe I hate to design that thing, but...

735

01:02:58,000 --> 01:03:05,000

And he had his own engineering firm, and his business firm, down the tube.

736

01:03:05,000 --> 01:03:08,000

Did your dad ever help?

737

01:03:08,000 --> 01:03:12,000

No, they were doing two separate areas.

738

01:03:12,000 --> 01:03:18,000

When they got together, they would talk shop once while, you know, in their summer vacations.

739

01:03:18,000 --> 01:03:20,000

But Herb was very intense, too.

740

01:03:20,000 --> 01:03:24,000

And Dean Arburt believed in the idea of this?

741

01:03:24,000 --> 01:03:28,000

I don't know what he talked to his brothers about.

742

01:03:28,000 --> 01:03:33,000

But Herb was more of a practical art.

743

01:03:33,000 --> 01:03:39,000

And I guess Freddy was a go-between in the side of Uncle Buddy Charles, who I know is the youngest.

744

01:03:39,000 --> 01:03:43,000

So I don't know how much they had to fight it to have him.

745

01:03:43,000 --> 01:03:47,000

To Charles, but I'm sure Fred would have stood in for it.

746

01:03:47,000 --> 01:03:51,000

And his other brother, John, he's older now, he's had some health problems.

747

01:03:51,000 --> 01:04:00,000

But I think both are between Fred and Charles, both in the military and in the day of the jailbreak.

748

01:04:00,000 --> 01:04:05,000

So that's the family of unions, you know, nothing was...

749

01:04:05,000 --> 01:04:12,000

They had some newspaper clippings and all on the tables, you know, for each of the brothers in the background.

750

01:04:12,000 --> 01:04:14,000

And I guess that's the attitude of the squad.

751

01:04:14,000 --> 01:04:17,000

How conceited you are those who are...

752

01:04:17,000 --> 01:04:21,000

But not much was ever mentioned in the family of unions.

753

01:04:21,000 --> 01:04:23,000

More about that.

754

01:04:23,000 --> 01:04:28,000

And as my uncles, his brothers, never confided in me.

755

01:04:28,000 --> 01:04:31,000

I mean, I think about it so much when we were brothers.

756

01:04:31,000 --> 01:04:34,000

And just a couple more questions.

757

01:04:34,000 --> 01:04:41,000

What was it about your dad that just acquired out of school?

758

01:04:42,000 --> 01:04:52,000

I guess his dedication to his work, but...

759

01:04:52,000 --> 01:04:58,000

I guess more to his ideals than he had set for himself.

760

01:04:58,000 --> 01:05:03,000

He wanted to be a perfectionist in aviation.

761

01:05:03,000 --> 01:05:09,000

And it's unfortunately what the age of 50 before he was done with flying.

762

01:05:09,000 --> 01:05:11,000

Because then he could really feel it.

763

01:05:11,000 --> 01:05:18,000

The simulation of all his workers, he very flew, you know, non-technical type of aircraft,

764

01:05:18,000 --> 01:05:27,000

like the Longer Champ, the Type J-5, the P-A-17, which he had me flying, and flew out of the van.

765

01:05:27,000 --> 01:05:35,000

And I was flying his 5-J-3, he's a big green span, and he had this P-A-17,

766

01:05:35,000 --> 01:05:40,000

which was a very short coupled airplane, a few-star-all-head short wings.

767

01:05:40,000 --> 01:05:45,000

So when you cut the power, it just glided like a brick.

768

01:05:45,000 --> 01:05:51,000

And when you took off or landed, you had to walk the pedals because they'd run up to roti.

769

01:05:51,000 --> 01:05:54,000

So he just airplane me up and air and everything.

770

01:05:54,000 --> 01:06:01,000

But he wanted me to solo it, and I made three landings, and I got out, and so I think I got back up.

771

01:06:01,000 --> 01:06:03,000

Because I bounced all over the place.

772

01:06:03,000 --> 01:06:05,000

That work fits ideally, Ed.

773

01:06:05,000 --> 01:06:13,000

He wanted the perfectionist of aeronautical science, and do as much good he could for the advancement of that science.

774

01:06:13,000 --> 01:06:22,000

So all his work, he won 110% in turn to prove ideas, prove hypotheses, and do that type of achievement.

775

01:06:22,000 --> 01:06:28,000

And that was his role and my ideal.

776

01:06:28,000 --> 01:06:39,000

Everything else aside, his dedication to his ideas, his work was just a major goal, a thing that was secondary, a friend was secondary, a few things.

777

01:06:39,000 --> 01:06:45,000

He really loved this work, and worked it to prove something.

778

01:06:45,000 --> 01:06:54,000

And as a man, you couldn't buy him off an idea.

779

01:06:54,000 --> 01:06:58,000

And that's what he got in his problems with the superior all the time.

780

01:06:58,000 --> 01:07:07,000

He said, this is right, and let the old juror and the VJava orders, you know, and down the torpedoes, he was going through his point.

781

01:07:07,000 --> 01:07:13,000

And he was so sure what he did, and he was looking back, and he was never wrong.

782

01:07:13,000 --> 01:07:16,000

Anything he said or did.

783

01:07:16,000 --> 01:07:26,000

Do you think that this might have been one of the reasons that later on in the 50s, that his evaluations might have started to go down?

784

01:07:26,000 --> 01:07:33,000

Because obviously his evaluations that we had in the past were excellent, above excellent.

785

01:07:33,000 --> 01:07:35,000

And there was that slide.

786

01:07:35,000 --> 01:07:41,000

I think it was named Rogers, who reevaluated for him, and got him back up to be ready.

787

01:07:41,000 --> 01:07:54,000

But I think he had the personality conflicts there, and I probably, I've got the views that people up in Washington put the pressure on him to get him out.

788

01:07:54,000 --> 01:08:03,000

Because it was all of a sudden, he was a hard-headed warrior for years there, and all of a sudden, once the estimate situation, his report went to Washington,

789

01:08:03,000 --> 01:08:05,000

it was when they put the kibosh on him.

790

01:08:05,000 --> 01:08:09,000

And he was a Berksman.

791

01:08:09,000 --> 01:08:11,000

And again, he actually witnessed the story.

792

01:08:11,000 --> 01:08:12,000

Yeah.

793

01:08:12,000 --> 01:08:13,000

He saw the deterioration.

794

01:08:13,000 --> 01:08:14,000

Yeah.

795

01:08:14,000 --> 01:08:23,000

And then we went to a mixed cell chemical company, and I worked there in the summer job, and it was the highest day when they moved to Heights down in New Jersey, and then in Princeton.

796

01:08:23,000 --> 01:08:28,000

And there was nothing but a munitions factory.

797

01:08:28,000 --> 01:08:32,000

They made 500-pound napalm bombs there.

798

01:08:32,000 --> 01:08:42,000

And I worked in New York, putting together stands for, you know, oak planking, with 500-pound bombs.

799

01:08:42,000 --> 01:08:46,000

And he was the director of Jet the Pulsion, but they didn't see anything.

800

01:08:46,000 --> 01:08:50,000

They made fireworks, and they made napalm bombs.

801

01:08:50,000 --> 01:09:01,000

And I think the company probably hired them there and gave them a good pay to influence in Washington trying to get some contracts for, you know, government contracts.

802

01:09:01,000 --> 01:09:04,000

But I never saw any, there's no jetting, anything else there.

803

01:09:04,000 --> 01:09:06,000

I'm the director of Jet the Pulsion.

804

01:09:06,000 --> 01:09:09,000

It was a very kind of, very small office there.

805

01:09:09,000 --> 01:09:13,000

A typical little factory munitions, hard crack.

806

01:09:13,000 --> 01:09:19,000

And then when your father went back to write letters, did that surprise your mother also?

807

01:09:19,000 --> 01:09:24,000

I don't remember getting the vibes.

808

01:09:24,000 --> 01:09:34,000

The man, they went back to Ohio, of course, I guess a few friends there, and Fury took quite a cut in pay.

809

01:09:34,000 --> 01:09:38,000

But I don't know what happened to unexplored, whether the country went bankrupt.

810

01:09:38,000 --> 01:09:40,000

I think they had some financial problems.

811

01:09:40,000 --> 01:09:44,000

And so he kind of trekked back into the right path for security.

812

01:09:44,000 --> 01:09:52,000

And he always talked, rather than being a civil servant, working for the government, he says, add to stability and security.

813

01:09:52,000 --> 01:09:57,000

And he was always looking to be retired when he was 65.

814

01:09:57,000 --> 01:10:02,000

That was his whole goal, to be retired.

815

01:10:02,000 --> 01:10:08,000

Talking about that, did he ever interview you after retirement, what do you want him to do?

816

01:10:08,000 --> 01:10:11,000

What is his goals and dreams might have been after?

817

01:10:11,000 --> 01:10:12,000

No.

818

01:10:12,000 --> 01:10:13,000

I don't know.

819

01:10:13,000 --> 01:10:14,000

I'm not sure.

820

01:10:14,000 --> 01:10:19,000

No, no, it's, many years before he died, he was, he really got a kick out of flying his own airplane.

821

01:10:20,000 --> 01:10:25,000

And actually, during the aviation stuff, and he was there, hands on.

822

01:10:25,000 --> 01:10:29,000

Except, but he always liked his security.

823

01:10:29,000 --> 01:10:34,000

He never showed any bitterness going back, but he was very thankful, got the job back.

824

01:10:34,000 --> 01:10:43,000

And then, I don't know how it worked out, but he got the transfer to mind, and they were agreed to do it.

825

01:10:43,000 --> 01:10:47,000

And he liked Williamsburg, and he liked his work at the NASA.

826

01:10:47,000 --> 01:10:52,000

He was on the US Air Force, and I was on the officer with NASA.

827

01:10:52,000 --> 01:10:57,000

And he had a very good boss there.

828

01:10:57,000 --> 01:11:02,000

That's kind of like the French name, but he, I can't say what it was.

829

01:11:02,000 --> 01:11:08,000

But he was very happy there, because I remember dying at the hands of the time.

830

01:11:08,000 --> 01:11:22,000

It was interesting how he didn't seem to get back to the right path right after his nemesis pathway back to the early days of the four.

831

01:11:22,000 --> 01:11:27,000

But being a, you know, a son that you're talking about, you know, for transitions.

832

01:11:27,000 --> 01:11:28,000

Wait, wait, wait.

833

01:11:28,000 --> 01:11:33,000

When you say his nemesis Vandenberg, did he ever talk about Vandenberg?

834

01:11:33,000 --> 01:11:34,000

I mean, how loud?

835

01:11:34,000 --> 01:11:42,000

No, he just, that was in Washington, the people, and later I found out who Washington made the war in the last few years.

836

01:11:42,000 --> 01:11:47,000

But he never mentioned that name, he just said Washington.

837

01:11:47,000 --> 01:11:50,000

And he always kind of disliked Washington.

838

01:11:50,000 --> 01:11:56,000

Yeah, well, because they, that's the only time he'd mention Vandenberg because it's important.

839

01:11:56,000 --> 01:11:59,000

Did he ever mention a Dr. Charles Carroll?

840

01:11:59,000 --> 01:12:03,000

No, I don't recall that name.

841

01:12:03,000 --> 01:12:12,000

Yeah, he could have, but you know, in so many years, you know, the major military member was Major Sweet.

842

01:12:12,000 --> 01:12:16,000

He took him out to a ranch, and I know this name.

843

01:12:16,000 --> 01:12:17,000

Yeah.

844

01:12:17,000 --> 01:12:20,000

When I was in Civil Air Patrol, I just bought the stories here.

845

01:12:20,000 --> 01:12:30,000

When I was in Civil Air Patrol, a pilot came in to our local air show, and he was in a bi-wing aircraft.

846

01:12:30,000 --> 01:12:33,000

And I said, well, I'm not sure.

847

01:12:33,000 --> 01:12:35,000

Uh-huh, uh-huh.

848

01:12:35,000 --> 01:12:42,000

And I've been used to flying, but never did I ever get back on the ground, and I'd lay for a while on the ground.

849

01:12:42,000 --> 01:12:46,000

And I must have walked across that flight line like a bull following a jelly.

850

01:12:46,000 --> 01:12:59,000

I was just glugging, this guy didn't move, he was in, you know, barrel holds, and put a ground, you know, and it was, oh, so I can imagine, you know, what was going on over the glider.

851

01:12:59,000 --> 01:13:02,000

Yeah, those bi-plane give you a trip.

852

01:13:02,000 --> 01:13:08,000

Oh, all the wind, brushing, the base, the noise was deafening.

853

01:13:08,000 --> 01:13:16,000

Matter of fact, I got my oldest son, where at Costa Rica, I got him a flight in an steerman bi-plane.

854

01:13:16,000 --> 01:13:25,000

And, uh, fortunately, there wasn't enough time for me to go up, because I didn't want to go up in a steerman, but my son did, and he'd be on a jet-flight.

855

01:13:25,000 --> 01:13:36,000

And, you know, going back to Einstein in Princeton, where my folks lived, I almost ran over Einstein, he was a comrade at the literature store.

856

01:13:36,000 --> 01:13:46,000

He walked between two parked cars, had a bottle of whiskey in the paper bag, he stepped right in front of my car, and there was a steerman college at Harris State.

857

01:13:46,000 --> 01:13:53,000

And he just slammed on the brakes, he was right in the hood of my car, and he was looking at me and I said, oh my God, I must kill Einstein.

858

01:13:53,000 --> 01:13:56,000

Did your dad know Albert Einstein?

859

01:13:56,000 --> 01:14:04,000

No, I don't know if he did or not. But he was there in Princeton, and that's when my dad, first-year-old, I'm like, I can't look at him.

860

01:14:04,000 --> 01:14:10,000

But he, because MC squared, I almost got squashed with a flipper bottle in his hands.

861

01:14:10,000 --> 01:14:13,000

I couldn't even say anything.

862

01:14:13,000 --> 01:14:16,000

Well, good to history.

863

01:14:16,000 --> 01:14:19,000

Mike, Mike, just, Mike's just gonna love this.

864

01:14:19,000 --> 01:14:28,000

I'm gonna have to, I'm gonna get to a good physicist or a good library and find out, just a series of unified particles.

865

01:14:28,000 --> 01:14:38,000

I read briefly about it, but I think there's, he was on the threshold of how we can go to speed.

866

01:14:38,000 --> 01:14:43,000

It's like Jonathan Levenson and Segal said, speed is speed there.

867

01:14:43,000 --> 01:14:47,000

You have to think about that. That's what space travel is all about.

868

01:14:47,000 --> 01:14:50,000

It has to go faster than speed of light.

869

01:14:50,000 --> 01:14:54,000

Well, obviously you've read about this, so let me ask you this question.

870

01:14:54,000 --> 01:15:00,000

If you're in a car that can go at the speed of light, what happens when you turn the headlights on?

871

01:15:00,000 --> 01:15:02,000

It's dark.

872

01:15:02,000 --> 01:15:08,000

Don, God bless you and thank you very, very much. I appreciate it.

873

01:15:08,000 --> 01:15:10,000

Thank you very much.

874

01:15:10,000 --> 01:15:12,000

Your father was a remarkable man.

875

01:15:12,000 --> 01:15:13,000

He was.