
A
egment C

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00:00:08,130 --> 00:00:09,130
“I'm Lora Bailey.

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00:00:09,130 --> 00:00:13,500
I am the Chief Engineer in SE&I League for
the Deep Space Habitat project.

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00:00:13,500 --> 00:00:18,390
At a fairly early age I was interested in
flights and in space in general.

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00:00:18,390 --> 00:00:22,700
By the time I was in high school I started
realizing I had a propensity for math and

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00:00:22,700 --> 00:00:28,150
science that I veered into engineering and
specifically into aerospace engineering.

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00:00:28,150 --> 00:00:33,110
What's mostly involved in being Chief Engineer
in SE&I League on the project is to have a

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00:00:33,110 --> 00:00:42,340
good focus on what technologies are the leading
candidates for various subsystems on the project

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00:00:42,340 --> 00:00:49,490
that meet our agenda and schedule, as well
as a lot of coordination and making sure that

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00:00:49,490 --> 00:00:56,170
we're all playing with the same goals in mind,
and meetings towards the same end.

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00:00:56,170 --> 00:01:03,079
The greatest challenge to the deep space facility
or to any facility in deep space really is

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00:01:03,079 --> 00:01:08,930
the issue, galactic cosmic radiation controls,
and how do we best handle that because the

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00:01:08,930 --> 00:01:14,409
duration of stay in space during space travel,
the time that we're there, and the time of

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00:01:14,409 --> 00:01:21,899
return is at such a length that proper controls
really need to be in place that are not currently

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00:01:21,899 --> 00:01:22,899
defined.

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00:01:22,899 --> 00:01:29,219
I have the opportunity to steer and lead an
effort to produce, not only (inaudible) repair

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00:01:29,219 --> 00:01:34,850
concepts, but bring those to fruition for
flight that was used throughout the remaining

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00:01:34,850 --> 00:01:41,289
of the space shuttle program, but also to
lead the effort and resolve the problem as

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00:01:41,289 --> 00:01:46,119
to whether or not we could access the vehicle
using the 50 foot boom.

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00:01:46,119 --> 00:01:51,369
I lead the effort to build a simulator to
emulate those conditions and we showed that

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00:01:51,369 --> 00:01:57,429
that could be done and then later we followed
on with a (inaudible) experiment that validated

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00:01:57,429 --> 00:02:05,209

my test facility for that so, it was a very
exciting time and I'm grateful that I had

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00:02:05,209 --> 00:02:06,320
the opportunity to do that.

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00:02:06,320 --> 00:02:09,509
Well, I feel extremely fortunate actually.

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00:02:09,509 --> 00:02:16,080
I feel very blessed in fact because I've
had a great career experience.

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00:02:16,080 --> 00:02:26,390
I've gotten to work with some of the smartest
brains in the world, and I've gotten to work-in

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00:02:26,390 --> 00:02:34,060
a spacesuit, in zero gravity, in the pool,
in 1G on the air baring floor, and lots of

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00:02:34,060 --> 00:02:35,360
different environments like that.

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00:02:35,360 --> 00:02:42,030
You know there's one thing that can't be
traded for any of the education or background

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00:02:42,030 --> 00:02:45,880
experience that you have, and that is that
you just care.

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00:02:45,880 --> 00:02:51,810
You care sincerely in your heart about the
work that you're doing and that you're here