



DOWN TO EARTH

EPISODE 13

The Fragile Earth

1
00:00:00,583 --> 00:00:02,335
>> OKAY, THREE, TWO, ONE.

2
00:00:08,133 --> 00:00:09,551
HELLO, I'VE BEEN LUCKY ENOUGH

3
00:00:09,551 --> 00:00:11,302
TO SPEND, UH, UH,

4
00:00:11,302 --> 00:00:13,805
EXACTLY ONE LEAP YEAR

5
00:00:13,805 --> 00:00:14,848
ON THE SPACE STATION.

6
00:00:14,848 --> 00:00:16,766
366 DAYS.

7
00:00:16,766 --> 00:00:18,143
SO YOU CAN IMAGINE, I MEAN,

8
00:00:18,143 --> 00:00:20,145
IN 366 DAYS YOU GET TO SEE

9
00:00:20,145 --> 00:00:21,521
THE EARTH QUITE A BIT.

10
00:00:21,521 --> 00:00:22,814
EVEN THOUGH WE'RE SO BUSY

11
00:00:22,814 --> 00:00:23,982
ON THE SPACE STATION,

12
00:00:23,982 --> 00:00:25,608
WE DO MANAGE-- WE DO TRY

13
00:00:25,608 --> 00:00:27,485

TO LOOK OUTSIDE AND GLIMPSE

14

00:00:27,485 --> 00:00:28,945

WHAT'S FLYING BELOW US

15

00:00:28,945 --> 00:00:30,488

ANY CHANCE WE GET.

16

00:00:45,253 --> 00:00:47,046

THERE WAS A PART OF ME--

17

00:00:47,046 --> 00:00:48,965

TH-THE DREAMER THAT-THAT...

18

00:00:48,965 --> 00:00:50,884

THE LITTLE KID THAT

19

00:00:50,884 --> 00:00:52,385

STARTED DREAMING ABOUT

20

00:00:52,385 --> 00:00:54,387

THIS WHOLE EXPERIENCE, UH,

21

00:00:54,387 --> 00:00:58,475

NOW BASICALLY 40 YEARS AGO.

22

00:00:58,475 --> 00:01:00,518

THAT PART OF ME WAS STILL THERE,

23

00:01:00,518 --> 00:01:03,146

UNCHANGED FOR 30 OR 40 YEARS

24

00:01:03,146 --> 00:01:04,856

AND JUST MARVELING

25

00:01:04,856 --> 00:01:06,316

INCREDULOUSLY AT THE BEAUTY

26

00:01:06,316 --> 00:01:07,484
OF IT ALL.

27

00:01:07,484 --> 00:01:09,360
AND I WOULD SEE CLOUDS

28

00:01:09,360 --> 00:01:11,029
AND GREEN AND RIVERS.

29

00:01:11,029 --> 00:01:12,781
AND IT WOULD JUST

30

00:01:12,781 --> 00:01:14,866
COMPLETELY FILL MY EYES.

31

00:01:14,866 --> 00:01:16,826
THE DIFFERENCE IN

32

00:01:16,826 --> 00:01:17,952
OBSERVING THE WORLD

33

00:01:17,952 --> 00:01:19,245
OR THE UNIVERSE

34

00:01:19,245 --> 00:01:21,039
FROM INSIDE THE SPACE STATION

35

00:01:21,039 --> 00:01:23,082
LOOKING THROUGH THE WINDOWS

36

00:01:23,082 --> 00:01:25,043
OR BEING OUTSIDE IS

37

00:01:25,043 --> 00:01:26,795
WHAT I DESCRIBE AS

38

00:01:26,795 --> 00:01:28,922

THE SAME LEVEL OF INTERACTION

39

00:01:28,922 --> 00:01:30,131

THAT YOU CAN HAVE

40

00:01:30,131 --> 00:01:31,633

LOOKING AT A BEAUTIFUL AQUARIUM

41

00:01:31,633 --> 00:01:34,427

FROM THE SAFETY OF A ROOM.

42

00:01:39,432 --> 00:01:40,600

WHEN YOU'RE OUTSIDE

43

00:01:40,600 --> 00:01:42,268

AND ALL YOU HAVE IS THE HELMET

44

00:01:42,268 --> 00:01:44,312

AND MAYBE ONE HALF INCH

45

00:01:44,312 --> 00:01:46,231

OF PLEXIGLASS

46

00:01:46,231 --> 00:01:47,732

IN FRONT OF YOUR EYES,

47

00:01:47,732 --> 00:01:50,568

YOU CAN SEE DETAILS AND COLORS

48

00:01:50,568 --> 00:01:53,029

AND SHAPES.

49

00:01:53,029 --> 00:01:54,155

THE LEVEL OF DETAIL

50

00:01:54,155 --> 00:01:55,240

THAT YOU CAN CAPTURE

51
00:01:55,240 --> 00:01:57,116
AND THE WAY YOU EXPERIENCE

52
00:01:57,116 --> 00:01:58,743
THAT UNIVERSE IS GOING TO BE

53
00:01:58,743 --> 00:02:00,703
VERY, VERY DIFFERENT.

54
00:02:00,703 --> 00:02:02,413
YOU WANT AND YOU FEEL

55
00:02:02,413 --> 00:02:04,541
THAT YOU HAVE BECOME PART OF IT.

56
00:02:04,541 --> 00:02:06,292
AND YOU CAN DEVELOP

57
00:02:06,292 --> 00:02:08,419
THAT SENSE OF BELONGING.

58
00:02:21,558 --> 00:02:23,017
I THINK THAT THE FIRST IMPACT

59
00:02:23,017 --> 00:02:24,853
OF THE FIRST FLIGHT

60
00:02:24,853 --> 00:02:26,688
WAS THAT I DID--

61
00:02:26,688 --> 00:02:28,314
I DID SEE AND I DID SENSE

62
00:02:28,314 --> 00:02:30,233
HOW FRAGILE, HOW--

63
00:02:30,233 --> 00:02:32,402

HOW SMALL THE EARTH IS.

64

00:02:32,402 --> 00:02:34,571
WE-WE ALL USED TO THINK

65

00:02:34,571 --> 00:02:35,947
OF THE EARTH AS SOMETHING

66

00:02:35,947 --> 00:02:38,157
SO VAST AND BIG AND--

67

00:02:38,157 --> 00:02:40,743
WE DON'T-- WE DON'T THINK THAT

68

00:02:40,743 --> 00:02:43,496
WHAT WE DO OUR-OUR DAILY LIFE

69

00:02:43,496 --> 00:02:44,998
CAN AFFECT SUCH-SUCH

70

00:02:44,998 --> 00:02:47,417
A VAST SYSTEM.

71

00:02:47,417 --> 00:02:49,335
BUT FROM SPACE

72

00:02:49,335 --> 00:02:51,212
YOU GET A SENSE THAT EVERY--

73

00:02:51,212 --> 00:02:53,339
EVERY INDIVIDUAL,

74

00:02:53,339 --> 00:02:55,508
EVERY LIVING ORGANISM

75

00:02:55,508 --> 00:02:57,552
IS SOMEHOW CONNECTED.

76
00:02:57,552 --> 00:02:59,888
SEEING THE CITY LIGHTS AT NIGHT

77
00:02:59,888 --> 00:03:01,764
WHERE A PLACE LIKE EUROPE

78
00:03:01,764 --> 00:03:02,932
OR THE UNITED STATES

79
00:03:02,932 --> 00:03:05,518
OR ASIA, DENSELY POPULATED,

80
00:03:05,518 --> 00:03:07,687
EVERYTHING IS INTERCONNECTED.

81
00:03:07,687 --> 00:03:08,730
AND ALL THOSE LINES

82
00:03:08,730 --> 00:03:10,607
AND ALL THOSE LIGHTS

83
00:03:10,607 --> 00:03:11,774
ARE APPARENT.

84
00:03:11,774 --> 00:03:12,817
THEY-THEY ARE RIGHT

85
00:03:12,817 --> 00:03:14,444
IN FRONT OF YOU, ALL TOGETHER.

86
00:03:14,444 --> 00:03:16,112
AND YOU THINK THAT, YOU KNOW,

87
00:03:16,112 --> 00:03:17,822
ALL-ALL WE ARE DOING

88
00:03:17,822 --> 00:03:20,325

SOMEHOW HAS A-- HAS AN AFFECT

89

00:03:20,325 --> 00:03:23,161
ON EVERYBODY ELSE.

90

00:03:23,161 --> 00:03:24,454
YOU COME BACK FROM A--

91

00:03:24,454 --> 00:03:25,622
FROM AN EXPERIENCE LIKE THAT

92

00:03:25,622 --> 00:03:26,539
THINKING THAT THAT'S

93

00:03:26,539 --> 00:03:27,457
WHAT'S HAPPENING

94

00:03:27,457 --> 00:03:29,208
AND THEN YOU CAN SEE

95

00:03:29,208 --> 00:03:31,085
THE EFFECTS.

96

00:03:31,085 --> 00:03:32,253
NOT THE POSITIVE ONES

97

00:03:32,253 --> 00:03:33,838
BUT MOSTLY THE NEGATIVE ONES

98

00:03:33,838 --> 00:03:34,881
IN A SECOND FLIGHT.

99

00:03:34,881 --> 00:03:36,633
AND I THINK YOU-YOU HAVE

100

00:03:36,633 --> 00:03:38,259
TO ACKNOWLEDGE

101

00:03:38,259 --> 00:03:40,178
AND GROW AN AWARENESS.

102

00:03:40,178 --> 00:03:41,471
AND WITH THAT AWARENESS

103

00:03:41,471 --> 00:03:44,849
COMES THE DESIRE TO-TO SHARE.

104

00:03:44,849 --> 00:03:46,017
TO SHARE AND EXPERIENCE

105

00:03:46,017 --> 00:03:48,603
AND-AND SHARE AN AWARENESS.

106

00:03:48,603 --> 00:03:50,980
IT'S UNDERSTANDING THAT, UH,

107

00:03:50,980 --> 00:03:53,149
THE SCIENCE THAT'S TELLING US

108

00:03:53,149 --> 00:03:54,984
HOW WE ARE CHANGING

109

00:03:54,984 --> 00:03:56,653
AND INFLUENCING THE WORLD

110

00:03:56,653 --> 00:03:58,821
HAS SULLIED MATHEMATICAL AND--

111

00:03:58,821 --> 00:04:00,531
SULLIED MATHEMATICAL BASE

112

00:04:02,200 --> 00:04:03,534
AND THEN YOU SEE

113

00:04:03,534 --> 00:04:04,953

THE EFFECTS OF IT

114

00:04:04,953 --> 00:04:06,913

AND JUST INTERNALIZE IT,

115

00:04:06,913 --> 00:04:08,790

YOU MAKE IT YOUR OWN EXPERIENCE.

116

00:04:08,790 --> 00:04:09,874

AND I THINK THAT

117

00:04:09,874 --> 00:04:10,833

THAT'S WHAT HAPPENED.

118

00:04:10,833 --> 00:04:12,835

THAT THAT'S WHY ASTRONAUTS,

119

00:04:12,835 --> 00:04:15,505

UM, DEVELOP AN AWARENESS OF

120

00:04:15,505 --> 00:04:17,090

AND THE DESIRE TO HELP