



EXTRA
SPECIALTY
PRODUCTS

PEACE
LOVE &
ROCKETS

JUNE 10-12, 2011
LUGARNE DRY LAKE
CALIFORNIA

1
00:00:10,350 --> 00:00:06,240
I'm Greg Liza gang and I'm here at

2
00:00:12,060 --> 00:00:10,360
Lutheran dry lake for the National

3
00:00:17,359 --> 00:00:12,070
Association of rocketry 's national

4
00:00:22,260 --> 00:00:19,740
I've been flying Rockets ever since I

5
00:00:23,910 --> 00:00:22,270
was a little guy I can still see the sky

6
00:00:26,310 --> 00:00:23,920
and telescope magazine with the little

7
00:00:28,980 --> 00:00:26,320
ad in it that said fly room rockets and

8
00:00:30,900 --> 00:00:28,990
I got really excited about it and saved

9
00:00:33,840 --> 00:00:30,910
up my pennies and got my first rocket

10
00:00:35,700 --> 00:00:33,850
and the the first rocket I ever flew

11
00:00:41,840 --> 00:00:35,710
actually was a WAC corporal it was a

12
00:00:47,849 --> 00:00:44,279
think it's really important that kids

13
00:00:49,799 --> 00:00:47,859

learn how to be involved hands-on in a

14

00:00:53,459 --> 00:00:49,809

technological activity like this the

15

00:00:55,709 --> 00:00:53,469

idea that you can build and design and

16

00:00:58,290 --> 00:00:55,719

fly something like this with your own

17

00:01:00,539 --> 00:00:58,300

hands in your own mind is really

18

00:01:04,140 --> 00:01:00,549

empowering and and I would not

19

00:01:07,040 --> 00:01:04,150

underestimate the influence that it's

20

00:01:09,840 --> 00:01:07,050

had on me throughout my career I have

21

00:01:14,670 --> 00:01:09,850

been a member of the technical staff at

22

00:01:16,800 --> 00:01:14,680

JPL for the last 31 years and I'm also a

23

00:01:19,860 --> 00:01:16,810

physics professor at Harvey Mudd College

24

00:01:23,730 --> 00:01:19,870

in Claremont California so what I did

25

00:01:26,280 --> 00:01:23,740

was I built a full-scale replica of the

26

00:01:28,590 --> 00:01:26,290

WAC corporal which around JPL is pretty

27

00:01:31,800 --> 00:01:28,600

famous because it's the rocket that

28

00:01:34,020 --> 00:01:31,810

Frank Molina launched to basically be

29

00:01:36,870 --> 00:01:34,030

the first scientific payload in space

30

00:01:39,540 --> 00:01:36,880

and 170 kilometers and went into the

31

00:01:44,880 --> 00:01:39,550

technical definition of space and was

32

00:01:47,970 --> 00:01:44,890

launched in 1946 so as a little homage

33

00:01:50,760 --> 00:01:47,980

to JPL and to Frank Molina my son and I

34

00:01:52,860 --> 00:01:50,770

cooked up this slightly crazy project

35

00:01:55,260 --> 00:01:52,870

and decided we wanted to fly a

36

00:01:57,570 --> 00:01:55,270

full-scale black corporal so here it is

37

00:01:59,540 --> 00:01:57,580

and so our fingers are crossed and let's

38

00:02:01,800 --> 00:01:59,550

see if we can get this guy up in the air

39

00:02:04,530 --> 00:02:01,810

we just have a little bit of work left

40

00:02:07,200 --> 00:02:04,540

to do here in terms of arming the flight

41

00:02:09,180 --> 00:02:07,210

computers the electronics chicken

42

00:02:10,230 --> 00:02:09,190

everything one last time saying a little

43

00:02:12,630 --> 00:02:10,240

prayer and then

44

00:02:15,840 --> 00:02:12,640

hoping that the windows are too high and

45

00:02:18,900 --> 00:02:15,850

off it goes it's not going to go to 70

46

00:02:21,060 --> 00:02:18,910

kilometers today this has an M motor in

47

00:02:23,550 --> 00:02:21,070

it which should propel it about 4,500

48

00:02:26,340 --> 00:02:23,560

feet and will come down in two pieces

49

00:02:28,410 --> 00:02:26,350

under two parachutes all right

50

00:02:30,450 --> 00:02:28,420

wheeler out there on the far end of the

51
00:02:35,010 --> 00:02:30,460
range great good thing with this

52
00:02:41,030 --> 00:02:35,020
Aerotech M 1939 black car pole going in

53
00:02:55,790 --> 00:02:41,040
ten nine eight seven six five four three

54
00:03:00,150 --> 00:02:58,560
rocket so everyone please stay on your

55
00:03:03,810 --> 00:03:00,160
feet keep your eyes on it

56
00:03:13,470 --> 00:03:03,820
arcng over we have an event we have one

57
00:03:18,660 --> 00:03:13,480
shoot we have a second shoot thank you