



1  
00:00:18,740 --> 00:00:15,890  
it's recognized as the most hazardous

2  
00:00:20,720 --> 00:00:18,750  
professional the country the National

3  
00:00:23,390 --> 00:00:20,730  
injury rate among firefighters is

4  
00:00:26,029 --> 00:00:23,400  
fourteen percent and in Boston the rate

5  
00:00:28,669 --> 00:00:26,039  
is often double that average what gives

6  
00:00:32,880 --> 00:00:28,679  
the city it's john is a firefighters

7  
00:00:40,340 --> 00:00:36,240  
concealed spaces spraying least archers

8  
00:00:44,580 --> 00:00:40,350  
from the outside surround and approaches

9  
00:00:50,250 --> 00:00:44,590  
as the Commissioner of the old Stapleton

10  
00:00:59,410 --> 00:00:53,330  
it's inside

11  
00:01:04,549 --> 00:01:02,299  
that number has been reduced to about 50

12  
00:01:07,280 --> 00:01:04,559  
thanks in large part to staples in his

13  
00:01:09,200 --> 00:01:07,290

determination he'd been a Boston

14

00:01:11,539 --> 00:01:09,210

firefighters since nineteen fifty-one

15

00:01:13,850 --> 00:01:11,549

and worked his way up to deputy chief

16

00:01:15,859 --> 00:01:13,860

when he wrote a letter about the smoke

17

00:01:18,469 --> 00:01:15,869

inhalation problem and distributed it

18

00:01:21,380 --> 00:01:18,479

around the country it was a call for

19

00:01:23,630 --> 00:01:21,390

help in Boston over period of a couple

20

00:01:25,790 --> 00:01:23,640

of decades we had ten members killed

21

00:01:28,190 --> 00:01:25,800

while utilizing the type of equipment

22

00:01:29,900 --> 00:01:28,200

that they had then so it's very clear to

23

00:01:31,219 --> 00:01:29,910

us as well as too many other fire

24

00:01:33,260 --> 00:01:31,229

departments that we had to have

25

00:01:35,540 --> 00:01:33,270

something better but they really didn't

26  
00:01:39,290 --> 00:01:35,550  
seem anyone who was gonna try to develop

27  
00:01:40,969 --> 00:01:39,300  
it NASA risk on the rock an engineer is

28  
00:01:43,550 --> 00:01:40,979  
at the Johnson Space Center began

29  
00:01:46,029 --> 00:01:43,560  
adapting life-support system technology

30  
00:01:49,010 --> 00:01:46,039  
used by Apollo astronauts on the moon

31  
00:01:51,380 --> 00:01:49,020  
the result an improved breathing

32  
00:01:54,620 --> 00:01:51,390  
apparatus now being used by firefighters

33  
00:01:57,440 --> 00:01:54,630  
around the world manufactured by Scott

34  
00:02:00,649 --> 00:01:57,450  
aviation the system consists of a face

35  
00:02:02,990 --> 00:02:00,659  
mask harness frame and air tank it's

36  
00:02:05,300 --> 00:02:03,000  
much lighter and more reliable than its

37  
00:02:08,330 --> 00:02:05,310  
predecessor but the most important

38  
00:02:10,789 --> 00:02:08,340

factor is that firefighters like can use

39

00:02:14,539 --> 00:02:10,799

the system the first year that we

40

00:02:17,600 --> 00:02:14,549

utilize the NASA system we reduce smoke

41

00:02:19,360 --> 00:02:17,610

inhalation injuries from 500 down to 50

42

00:02:22,160 --> 00:02:19,370

and there was a tremendous improvement

43

00:02:23,960 --> 00:02:22,170

but also our effect and controlling

44

00:02:26,509 --> 00:02:23,970

fires we were able to penetrate the

45

00:02:28,819 --> 00:02:26,519

building deeper and do our job better

46

00:02:44,830 --> 00:02:28,829

and firefighters will be the first one to