



1
00:00:19,269 --> 00:00:14,890
it's not unusual for the weather to be

2
00:00:21,400 --> 00:00:19,279
fine seas relatively calm and the

3
00:00:24,940 --> 00:00:21,410
skipper and experienced sailor when the

4
00:00:26,950 --> 00:00:24,950
voyage begins or maybe the winds are

5
00:00:29,200 --> 00:00:26,960
still and the plane is running great

6
00:00:34,500 --> 00:00:29,210
when the pilot who's been flying for

7
00:00:45,669 --> 00:00:38,680
still what seems like a routine trip can

8
00:00:48,369 --> 00:00:45,679
become a nightmare whether it's a small

9
00:00:51,009 --> 00:00:48,379
plane down in a remote area or a mishap

10
00:00:53,319 --> 00:00:51,019
at sea time can be the survivors

11
00:00:56,369 --> 00:00:53,329
greatest enemy the quicker they're found

12
00:00:58,869 --> 00:00:56,379
the greater their chances for survival

13
00:01:01,149 --> 00:00:58,879

until recently search-and-rescue teams

14

00:01:03,639 --> 00:01:01,159

often had little to go on in trying to

15

00:01:05,890 --> 00:01:03,649

find these people most likely just a

16

00:01:08,800 --> 00:01:05,900

report that a boat or plane never

17

00:01:10,720 --> 00:01:08,810

reached its intended destination but

18

00:01:12,789 --> 00:01:10,730

today's search and rescue forces are

19

00:01:19,120 --> 00:01:12,799

getting the information they need from a

20

00:01:22,929 --> 00:01:20,770

thanks to a unique international

21

00:01:25,630 --> 00:01:22,939

cooperative effort originally

22

00:01:28,029 --> 00:01:25,640

spearheaded by NASA involving the United

23

00:01:30,520 --> 00:01:28,039

States and Canada France and the Soviet

24

00:01:32,649 --> 00:01:30,530

Union as prime partners there are now

25

00:01:34,719 --> 00:01:32,659

satellites orbiting the Earth with

26
00:01:39,580 --> 00:01:34,729
search and rescue equipment aboard them

27
00:01:42,330 --> 00:01:39,590
the program is called cospas-sarsat the

28
00:01:48,609 --> 00:01:42,340
name is complicated but the goal simple

29
00:01:50,830 --> 00:01:48,619
save lives a key link in this rescue

30
00:01:53,679 --> 00:01:50,840
chain is the emergency radio beacons

31
00:01:56,109 --> 00:01:53,689
carried aboard ships and planes the

32
00:01:59,800 --> 00:01:56,119
maritime device is called an emergency

33
00:02:01,870 --> 00:01:59,810
position indicating radio beacon its

34
00:02:04,149 --> 00:02:01,880
counterpart on aircraft has a slightly

35
00:02:06,550 --> 00:02:04,159
different name but performs the same

36
00:02:10,270 --> 00:02:06,560
function it's called an emergency

37
00:02:12,160 --> 00:02:10,280
locator transmitter when activated these

38
00:02:14,830 --> 00:02:12,170

beacons transmit a continuous

39

00:02:16,960 --> 00:02:14,840

distinctive signal that can be picked up

40

00:02:19,930 --> 00:02:16,970

by a search-and-rescue satellite passing

41

00:02:22,089 --> 00:02:19,940

overhead the satellite in turn realized

42

00:02:24,670 --> 00:02:22,099

this signal to a local user terminal

43

00:02:27,460 --> 00:02:24,680

like this one at Scott Air Force Base in

44

00:02:29,080 --> 00:02:27,470

Illinois and it looks like there could

45

00:02:32,229 --> 00:02:29,090

be the start of a signal right here at

46

00:02:37,780 --> 00:02:32,239

this point okay we gotta go to the

47

00:02:39,879 --> 00:02:37,790

closer to work good day by analyzing

48

00:02:42,069 --> 00:02:39,889

these signals the site of an accident

49

00:02:45,009 --> 00:02:42,079

can usually be pinpointed within a ten

50

00:02:47,590 --> 00:02:45,019

to fifteen mile radius this information

51
00:02:49,539 --> 00:02:47,600
is then sent via a computer to computer

52
00:02:52,780 --> 00:02:49,549
linked up to a Mission Control Center

53
00:02:55,960 --> 00:02:52,790
and then on to a rescue control center

54
00:02:57,970 --> 00:02:55,970
near where the accident occurred inland

55
00:03:00,670 --> 00:02:57,980
aircraft incidents are handled by the

56
00:03:02,949 --> 00:03:00,680
Air Force here trained personnel

57
00:03:05,020 --> 00:03:02,959
correlate any information they received

58
00:03:06,670 --> 00:03:05,030
from other sources with emergency

59
00:03:09,160 --> 00:03:06,680
transmitter reports

60
00:03:11,920 --> 00:03:09,170
they then alert the necessary search and

61
00:03:14,470 --> 00:03:11,930
rescue teams Boston Aeronautics this is

62
00:03:18,009 --> 00:03:14,480
Scott RCC we've got all night on a

63
00:03:20,369 --> 00:03:18,019

Cessna 172 and the northern Cascades and

64

00:03:22,509 --> 00:03:20,379

a sauce that hit in the same area

65

00:03:31,440 --> 00:03:22,519

requested a search mission be opened

66

00:03:41,479 --> 00:03:34,950

and coordinates 47

67

00:03:47,000 --> 00:03:44,280

if someone's in trouble i shore for

68

00:03:49,110 --> 00:03:47,010

Coast Guard air and sea teams go to work

69

00:04:28,050 --> 00:03:49,120

Roger will get the helicopter and the

70

00:04:37,270 --> 00:04:33,189

we got 34 feet length stable possible

71

00:05:00,090 --> 00:04:37,280

cache size about 120,000 miles ok let's

72

00:05:04,380 --> 00:05:02,220

the Coast Guard Cutter point arena and

73

00:05:06,100 --> 00:05:04,390

their commanding officer lieutenant JG

74

00:05:07,540 --> 00:05:06,110

Steven Flynn are

75

00:05:11,980 --> 00:05:07,550

literally proud of a rescue that

76

00:05:13,960 --> 00:05:11,990
occurred last spring Jack boy a

77

00:05:16,360 --> 00:05:13,970
stockbroker and Vietnam veteran

78

00:05:19,390 --> 00:05:16,370
volunteered to sail is ultra light

79

00:05:22,030 --> 00:05:19,400
racing boat wings from Miami to New York

80

00:05:24,310 --> 00:05:22,040
to dramatize a fundraising effort by the

81

00:05:26,740 --> 00:05:24,320
New York Vietnam veterans commissioner I

82

00:05:29,410 --> 00:05:26,750
hope to make it five days and fall goes

83

00:05:33,250 --> 00:05:29,420
well well you never can tell winds and

84

00:05:37,090 --> 00:05:33,260
go into the Thais boys words were

85

00:05:39,430 --> 00:05:37,100
perfect five days into the trip 120

86

00:05:42,760 --> 00:05:39,440
miles from show he was caught in a

87

00:05:45,430 --> 00:05:42,770
severe storm after battling tremendous

88

00:05:47,710 --> 00:05:45,440

breaking seas for nearly three days boy

89

00:05:50,110 --> 00:05:47,720

finally activated his emergency radio

90

00:05:52,390 --> 00:05:50,120

beacon didn't know if anyone was hearing

91

00:05:55,270 --> 00:05:52,400

it i hope to the satellite and i hope

92

00:05:57,580 --> 00:05:55,280

that summer was listening to it I was

93

00:05:58,870 --> 00:05:57,590

really virtually powerless to rig the

94

00:06:01,480 --> 00:05:58,880

boat or do anything because the waves

95

00:06:03,700 --> 00:06:01,490

were still crashing across it a Soviet

96

00:06:05,410 --> 00:06:03,710

satellite picked up mr. voice signal and

97

00:06:07,340 --> 00:06:05,420

the point arena

98

00:06:09,260 --> 00:06:07,350

podium safely to shore

99

00:06:12,200 --> 00:06:09,270

and how does Jack Boyd feel now about

100

00:06:14,330 --> 00:06:12,210

having an emergency beacon on board it's

