



1
00:00:06,470 --> 00:00:04,309
what's up for me constellation stories

2
00:00:08,810 --> 00:00:06,480
hello and welcome I'm Jane Houston Jones

3
00:00:12,080 --> 00:00:08,820
at NASA's Jet Propulsion Laboratory in

4
00:00:14,030 --> 00:00:12,090
Pasadena California before artificial

5
00:00:16,099 --> 00:00:14,040
lights were common many cultures saw

6
00:00:19,820 --> 00:00:16,109
pictures in the way stars were arranged

7
00:00:22,939 --> 00:00:19,830
in the night sky the earliest star

8
00:00:26,830 --> 00:00:22,949
catalogues are over 6,000 years old but

9
00:00:29,779 --> 00:00:26,840
the stories and pictures are even older

10
00:00:32,420 --> 00:00:29,789
cave paintings in southwest France show

11
00:00:34,940 --> 00:00:32,430
a great bull and dots which look like

12
00:00:37,720 --> 00:00:34,950
what we call the Pleiades and Heidi star

13
00:00:42,500 --> 00:00:37,730

clusters these paintings go back over

14

00:00:44,630 --> 00:00:42,510

15,000 years in Australia many

15

00:00:46,060 --> 00:00:44,640

aboriginal groups see the Dark Nebula

16

00:00:49,009 --> 00:00:46,070

next to the Southern Cross constellation

17

00:00:52,130 --> 00:00:49,019

as the head of the great flightless bird

18

00:00:56,200 --> 00:00:52,140

the EMU his neck body and legs are

19

00:00:58,940 --> 00:00:56,210

formed from dust lanes in the Milky Way

20

00:01:00,920 --> 00:00:58,950

great mythology tells of a Ryan the

21

00:01:06,139 --> 00:01:00,930

hunter but other cultures have their own

22

00:01:09,139 --> 00:01:06,149

stories and star shapes in Australia

23

00:01:11,389 --> 00:01:09,149

Orion appears upside down the belt stars

24

00:01:13,430 --> 00:01:11,399

of Orion represent three brothers of the

25

00:01:15,920 --> 00:01:13,440

kingfish clan in a traditional

26

00:01:19,310 --> 00:01:15,930

Australian tale they were lifted to the

27

00:01:21,800 --> 00:01:19,320

sky for breaking the law the ajooba a

28

00:01:24,170 --> 00:01:21,810

and Creed First Nations of manitoba

29

00:01:26,779 --> 00:01:24,180

canada see this group of stars as Nana

30

00:01:28,990 --> 00:01:26,789

bush or west ok check who is known for

31

00:01:32,240 --> 00:01:29,000

his teaching and trickster abilities

32

00:01:35,870 --> 00:01:32,250

here he appears as the shapeshifter mr.

33

00:01:37,940 --> 00:01:35,880

Pugh the giant here he is pointing to

34

00:01:40,760 --> 00:01:37,950

the hole in the sky the cluster we know

35

00:01:44,749 --> 00:01:40,770

as the Pleiades his outstretched arm is

36

00:01:46,580 --> 00:01:44,759

represented by the star Aldebaran the

37

00:01:49,100 --> 00:01:46,590

Cree people called the Pleiades stars

38

00:01:53,480 --> 00:01:49,110

Matt udasin a SUNYAC the sweat lodge

39

00:01:55,580 --> 00:01:53,490

rocks the constellation matteson the

40

00:01:57,740 --> 00:01:55,590

sweat lodge is part of the legend of

41

00:02:00,139 --> 00:01:57,750

health stone child was instructed to

42

00:02:01,899 --> 00:02:00,149

build a domed sweat lodge over the sweat

43

00:02:04,209 --> 00:02:01,909

lodge rocks

44

00:02:07,959 --> 00:02:04,219

when heated the spirits of the rocks are

45

00:02:10,270 --> 00:02:07,969

released the milky way is called the

46

00:02:13,180 --> 00:02:10,280

summer birds path by the Cree because it

47

00:02:15,490 --> 00:02:13,190

traces the path of migratory birds the

48

00:02:19,630 --> 00:02:15,500

creasing Niska the goose flying down the

49

00:02:25,119 --> 00:02:19,640

summer birds path others see this

50

00:02:27,220 --> 00:02:25,129

constellation as Cygnus the Swan future

51
00:02:29,020 --> 00:02:27,230
generations will have a hard time seeing

52
00:02:31,089 --> 00:02:29,030
the constellations described in our

53
00:02:35,650 --> 00:02:31,099
legends because the lights of modern

54
00:02:37,960 --> 00:02:35,660
cities blot out the Stars so when you

55
00:02:40,569 --> 00:02:37,970
visit our parks and open spaces look up

56
00:02:42,940 --> 00:02:40,579
if you are young ask the elders in your

57
00:02:44,830 --> 00:02:42,950
family about stories they learned about

58
00:02:47,140 --> 00:02:44,840
the night sky you just might uncover

59
00:02:50,949 --> 00:02:47,150
star tales and legends that otherwise

60
00:02:53,979 --> 00:02:50,959
would be lost you can see NASA's images

61
00:02:59,199 --> 00:02:53,989
of stars planets constellations and more

62
00:03:02,190 --> 00:02:59,209
at photo journal JPL nasa gov and you

63
00:03:06,400 --> 00:03:02,200

can learn more about nasa missions at