

1
00:00:07,759 --> 00:00:15,839
Your guide to constellations, deep-sky objects, planets, and events.

2
00:00:15,839 --> 00:00:23,800
Tonight's Sky, highlights of the May Sky.

3
00:00:33,979 --> 00:00:38,939
After sunset, try to find dim, red Mars

4
00:00:38,939 --> 00:00:44,099
low in the western sky.

5
00:00:44,100 --> 00:00:47,380
If you succeed, aim a telescope at the planet

6
00:00:47,380 --> 00:00:54,880
to catch a glimpse of its features.

7
00:00:59,840 --> 00:01:02,720
Bright Jupiter will be much easier to spot,

8
00:01:02,719 --> 00:01:09,939
high in the southern sky.

9
00:01:09,939 --> 00:01:13,739
A telescope will reveal the giant planet's cloud bands

10
00:01:13,739 --> 00:01:21,699
and some of its moons.

11
00:01:33,680 --> 00:01:35,100
Looking toward the south,

12
00:01:35,099 --> 00:01:39,479
we've turned away from the crowded center of our Milky Way Galaxy.

13
00:01:39,480 --> 00:01:44,140
Thus we see farther into the universe.

14
00:01:44,140 --> 00:01:47,579
The large constellation Virgo

15
00:01:47,579 --> 00:01:50,959
fills the southern sky in the late evening.

16
00:01:50,959 --> 00:01:54,699
One of the zodiacal constellations of ancient times,

17
00:01:54,700 --> 00:02:02,620
Virgo honors the life-giving virtues of women.

18
00:02:02,620 --> 00:02:04,640
Using a pair of binoculars,

19
00:02:04,640 --> 00:02:08,099
visit the Virgo Cluster of Galaxies.

20
00:02:08,099 --> 00:02:11,699
These tiny smudges of light are galaxies,

21
00:02:11,699 --> 00:02:14,339
far away from our own Milky Way,

22
00:02:14,340 --> 00:02:23,300
each aglow with the light of billions of stars.

23
00:02:23,300 --> 00:02:26,780
The Sombrero Galaxy, M104,

24
00:02:26,780 --> 00:02:30,060
lies in the southern part of Virgo.

25
00:02:30,060 --> 00:02:34,340
Its dark dust lane makes it look like a large hat,

26
00:02:34,340 --> 00:02:39,500
hence its name.

27
00:02:46,099 --> 00:02:51,139
Two smaller constellations lie above Virgo.

28
00:02:51,139 --> 00:02:53,919
Coma Berenices honors a queen

29

00:02:53,919 --> 00:02:56,439
who gave her long hair to the gods

30
00:02:56,439 --> 00:03:01,680
to ensure her husband's safe return from war.

31
00:03:01,680 --> 00:03:04,960
M64, a spiral galaxy,

32
00:03:04,960 --> 00:03:11,920
can be found tangled in Berenice's Hair.

33
00:03:45,680 --> 00:03:54,700
Canes Venatici represents the hunting dogs of the gods.

34
00:04:04,159 --> 00:04:09,419
The brightest star in Canes Venatici is Cor Caroli,

35
00:04:09,419 --> 00:04:20,560
the Heart of Charles, named for Charles 1 of England.

36
00:04:20,560 --> 00:04:23,839
M51, in Canes Venatici,

37
00:04:23,839 --> 00:04:27,799
is known as the Whirlpool Galaxy.

38
00:04:27,800 --> 00:04:37,960
It is one of the most beautiful face-on spirals in the sky.

39
00:04:47,779 --> 00:04:49,819
Saturn rises by midnight

40
00:04:49,819 --> 00:04:57,540
and spends the morning hours shining in the southern sky.

41
00:05:00,879 --> 00:05:09,439
Its rings are easy to see in a small telescope.

42
00:05:15,480 --> 00:05:17,780
Venus appears in the eastern sky

43
00:05:17,779 --> 00:05:25,739

about an hour before sunrise.

44

00:05:25,740 --> 00:05:35,879

Use a telescope to check out its crescent phase.

45

00:05:46,240 --> 00:05:55,139

The annual Eta Aquarid meteor shower returns this month.

46

00:05:55,139 --> 00:05:57,800

On the night of May 4th to 5th,

47

00:05:57,800 --> 00:06:01,759

expect to see up to 10 meteors per hour.

48

00:06:01,759 --> 00:06:07,560

Look for them shooting from the east after midnight.

49

00:06:07,560 --> 00:06:14,920

The night sky is always a celestial showcase.

50

00:06:14,920 --> 00:06:22,600

Explore its wonders from your own backyard.