

CAPE FEAR



Skies

*The
Monthly
Newsletter of the
Cape Fear Astronomical Society*

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June 1990

NEXT MEETING JUNE 3

ASTRONOMY DAY JUNE 23-24

CAROLINA BEACH STATE PARK STAR PARTY JUNE 2

Meeting of May 6, 1990

Alan called the meeting of the Cape Fear Astronomical Society to order at 7:02 pm. Ronnie and others shared their experience at the Southern Star Convention last April 27-29. Ronnie also informed the membership about our "Astronomy Day" exhibit at the mall: Saturday and Sunday, June 23-24. Contact Paul, Alan, or Ronnie to let them know how you can help -- this is a time that we can get people interested in astronomy and our Society.-- more about this at the next meeting June 3, 1990. Don't forget the Carolina Beach State Park star party Saturday, June 2, 8 -11 p.m. at the picnic area. This event has been published in the May issue of Astronomy magazine. We have received a few letters from out of town and state about the Star party -- rain date June 16.

In our treasury report, Wayne said that we have \$151.17 in checking and \$101.98 in the observatory fund. John told the members that Betty McMillian's mother and husband are ill, and that she misses us a lot. Call her, just to let her know we are thinking of her. I know she would appreciate it.

Martin told the society that he photographed Comet Austin recently. Herman shared a trip to Charlotte's Discovery Place that has two large floors of "hands on" exhibits plus periodic demonstrations and lectures.

The program of the evening was about the spring constellations of Bootes, Corves, Leo, and Virgo. Martin gave a short history about each group, Ronnie talked about the main stars in the constellations, and Alan informed us about the deep sky objects that can be seen.

There were 11 members present.

Ronnie Hawes, Secretary

Come to the next meeting June 3; a meeting just isn't the same without YOU there.

Sky Calendar for June 1990

(All times are given in Eastern Time. Times preceded with the "±" symbol are ±30 minutes of the time listed.)

Friday: Jun 01

4:17 Astronomical twilight begins.
6:00 Sunrise.
20:17 Sunset.
22:00 Astronomical twilight ends.

Saturday: Jun 02

4:16 Astronomical twilight begins.
5:59 Sunrise.
20:17 Sunset.
22:00 Astronomical twilight ends.
Surveyor 1 makes the first American soft-landing on the Moon. Landing in the Ocean of Storms on this date in 1966.

Sunday: Jun 03

4:16 Astronomical twilight begins.
5:59 Sunrise.
20:18 Sunset.
22:01 Astronomical twilight ends.
On this date in 1965 America's first astronaut to walk in space is Edward H. White spending 20 minutes outside of his Gemini 4 spacecraft.
Tau Herculis Meteors. Radiant is located at right ascension 15:12; declination +40°; speed very slow 15 km/sec. Parent body is Comet Schwassmann-Wachmann 3.
Whit Sunday

Monday: Jun 04

4:15 Astronomical twilight begins.
5:59 Sunrise.
20:18 Sunset.
22:02 Astronomical twilight ends.
Mars is at it's greatest southern latitude.

Tuesday: Jun 05

4:15 Astronomical twilight begins.
5:59 Sunrise.
20:19 Sunset.
22:03 Astronomical twilight ends.
Chi Scorpiids Meteors. Radiant is located at right ascension 16:25; declination -12°; slow moving possible fireballs; ZHR ≤ 5.

Wednesday: Jun 06

0:00 Moon at apogee. Distance from the Earth is 63.6 Earth-radii.
4:15 Astronomical twilight begins.
5:58 Sunrise.
20:20 Sunset.
22:03 Astronomical twilight ends.

Thursday: Jun 07

4:14 Astronomical twilight begins.
5:58 Sunrise.
±15:00 Antares passes 0.2° south of the Moon Occultation.
20:20 Sunset.
22:04 Astronomical twilight ends.

Friday: Jun 08

4:14 Astronomical twilight begins.
5:58 Sunrise.
7:01 Full Moon called the "rose"; "flower" or "strawberry" Moon.
20:21 Sunset.
22:05 Astronomical twilight ends.
Librids Meteors. Radiant is located at right ascension 15:09; declination -28°; speed 16 km/sec; ZHR = 10. This shower has not been seen since 1937.

Saturday: Jun 09

4:14 Astronomical twilight begins.
5:58 Sunrise.
20:21 Sunset.
22:05 Astronomical twilight ends.

Sunday: Jun 10

±1:00 Uranus passes 2° north of the Moon.
4:13 Astronomical twilight begins.
5:58 Sunrise.
±11:00 Neptune passes 3° north of the Moon.
20:22 Sunset.
22:06 Astronomical twilight ends.
Trinity Sunday

Monday: Jun 11

4:13 Astronomical twilight begins.
5:58 Sunrise.
±8:00 Saturn passes 1.4° north of the Moon.
20:22 Sunset.
22:07 Astronomical twilight ends.

Tuesday: Jun 12

4:13 Astronomical twilight begins.
5:58 Sunrise.
20:22 Sunset.
22:07 Astronomical twilight ends.

Wednesday: Jun 13

4:13 Astronomical twilight begins.
5:58 Sunrise.
20:23 Sunset.
22:08 Astronomical twilight ends.
Pioneer 10 becomes the first spacecraft to leave the Solar System as it passes the orbit of Neptune on this date in 1983.
Theta Ophiuchids Meteors. Radiant is located at right ascension 17:50; declination -28°; speed 30 km/sec; ZHR = 2.

Thursday: Jun 14

4:13 Astronomical twilight begins.
5:58 Sunrise.
20:23 Sunset.
22:08 Astronomical twilight ends.
Alpha Scorpiids Meteors. Radiant is located at right ascension 16:52; declination -22°; Slow moving possible fireballs; ZHR ≤ 5.

Friday: Jun 15

4:13 Astronomical twilight begins.
5:58 Sunrise.
20:23 Sunset.
22:09 Astronomical twilight ends.

Saturday: Jun 16

0:48 Moon at last quarter.
4:13 Astronomical twilight begins.
5:58 Sunrise.
20:24 Sunset.
22:09 Astronomical twilight ends.
The Soviet Union places the first woman in space on this date in 1963.

Sunday: Jun 17

4:13 Astronomical twilight begins.
5:58 Sunrise.
±12:00 Mars passes 7° south of the Moon.
20:24 Sunset.
±22:00 Mercury passes 4° north of Aldebaran.
22:09 Astronomical twilight ends.

Monday: Jun 18

4:13 Astronomical twilight begins.
5:58 Sunrise.
20:24 Sunset.
22:10 Astronomical twilight ends.
Sally Ride becomes the first American woman in space aboard Challenger on this date in 1983.

Tuesday: Jun 19

4:13 Astronomical twilight begins.
5:58 Sunrise.
20:25 Sunset.
22:10 Astronomical twilight ends.

Wednesday: Jun 20

4:13 Astronomical twilight begins.
5:58 Sunrise.
±7:00 Venus passes 7° south of the Moon.
20:25 Sunset.
22:10 Astronomical twilight ends.
Ophiuchids Meteors. Radiant is located at right ascension 17:20; declination -23°; ZHR = 8.

Thursday: Jun 21

4:13 Astronomical twilight begins.
5:59 Sunrise.
±7:00 Moon at perigee. Distance from the Earth is 56.4 Earth-radii.
11:33 Summer Solstices. Sun at it's greatest northern latitude.
20:25 Sunset.
22:11 Astronomical twilight ends.

Friday: Jun 22

4:14 Astronomical twilight begins.
5:59 Sunrise.
14:55 New Moon. Lunation number 835
20:25 Sunset.
22:11 Astronomical twilight ends.

Saturday: Jun 23

4:14 Astronomical twilight begins.
5:59 Sunrise.
±18:00 Jupiter passes 1.6° south of the Moon.
20:26 Sunset.
22:11 Astronomical twilight ends.

Sunday: Jun 24

4:14 Astronomical twilight begins.
5:59 Sunrise.
20:26 Sunset.
22:11 Astronomical twilight ends.

Monday: Jun 25

4:14 Astronomical twilight begins.
6:00 Sunrise.
20:26 Sunset.
22:11 Astronomical twilight ends.
Comet P/Peters-Hartley at perihelion. Distance from the Sun is 1.63 au.

Tuesday: Jun 26

4:15 Astronomical twilight begins.
6:00 Sunrise.
20:26 Sunset.
22:11 Astronomical twilight ends.
Corvids Meteors. Radiant is located at right ascension 12:48; declination -19°; speed 10 km/sec; ZHR = 10. This shower has 1937.

Wednesday: Jun 27

4:15 Astronomical twilight begins.
6:00 Sunrise.
20:26 Sunset.
22:11 Astronomical twilight ends.

Thursday: Jun 28

4:16 Astronomical twilight begins.
6:01 Sunrise.
20:26 Sunset.
22:11 Astronomical twilight ends.

Friday: Jun 29

4:16 Astronomical twilight begins.
6:01 Sunrise.
±11:00 Uranus is at opposition with the Sun; moves into the evening sky.
18:07 Moon at first quarter.
20:26 Sunset.
22:11 Astronomical twilight ends.

Saturday: Jun 30

4:17 Astronomical twilight begins.
6:02 Sunrise.
20:00 Current Julian date is 244 8072.5
20:26 Sunset.
22:11 Astronomical twilight ends.
Mars is at perihelion

