



CAPE FEAR *Skies*



The
Monthly
Newsletter of the
Cape Fear Astronomy Club
Volume 3 Number 7 July 1988

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Wilmington, NC

July 1988

July Meeting Announcement

July 10, 1988
7:00 PM
Bryan Auditorium
Morton Hall
UNC-W Campus

The next meeting of the Cape Fear Astronomy Club will be held on July 10, 1988 in the Bryan Auditorium of Morton Hall on the UNC-W Campus. The Business meeting will begin at 7:00 PM EDT. Please note that this is the second Sunday of the month to avoid the Fourth of July holiday. At this month's business meeting we will be voting on changes of the club's constitution. For details of this change please see the article "Our Constitution is Changing."

The general meeting will begin at 8:00 PM. This program for this month's general meeting will be a slide program titled "The Universe according to Earth" presented by club member Sam Bisette.

Meeting Minutes from June

June 4, 1988

The June meeting of the Cape Fear Astronomy Club was held at the Fort Fisher State Park. The meeting started after a ocean side cookout. Alan called the meeting to order.

Alan thanked the people who helped out with the Astronomy Day display at the Mall. Alan also the peo-

ple who helped with the display setup at the "Adult" Toys Exposition.

Ronnie Hawes gave the treasures report. The current balance of the club's general fund is \$109.27. The money raised from candy sales at the Mall (\$116.02) and from the Exposition (\$50.60) was deposited to the Observatory fund. The Observatory fund now stands at \$394.76.

David Maness reported that we still have about 6 or 7 boxes of unsold candy.

Paul Petty reviewed the candidates for the Astronomical League upcoming elections. Paul then polled the membership as to how the club should cast its two votes.

Alan announced the Mars Symposium sponsored by the Roper Mountain Science Center in Greenville, South Carolina.

Paul Petty reviewed the current calendar of upcoming events. There will be a Club viewing Session at Pender County site on June 11th. The 18th of June

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is the rain date for this viewing session.

There will be a public Viewing Session on Saturday the 25th of June. The primary targets for this viewing session will be the Moon and Saturn. This will be held at the Fort Fisher Museum.

The membership decided to delay the next general Meeting to the 10th of July to avoid the July Fourth Holiday Weekend.

Alan wishes to kick off our Mars 88 work at the July meeting. He has received several slide and video taped shows about the upcoming opposition of Mars.

There were several favorable comments about the quality of the newsletter.

There was no special program after the general meeting. An observing session was held behind the Fort Fisher Museum.

Yard Sale Rescheduled

July 2, 1988; 7:00 AM thru 2:00 PM
Flea Market on Carolina Beach Road
(The old Skyview Drive-in Theater)

The Yard Sale that was rained out last May has been rescheduled for July 2nd. The yard sale will be held at the Flea Market on Carolina Beach road. This is the site of the old Skyview Drive-in Theater.

Paul Petty and Alan Hilburn are storing the items that have been donated for this yard sale. Alan and Paul will also arrange for the moving the stuff to the salesite.

The money raised from the yard sale will be added our general club treasury.

Public Viewing Session Report

The Cape Fear Astronomy Club held a public viewing session behind the Fort Fisher Civil War Museum on Saturday June 25th. The primary objects for the night were Saturn and the Moon.

Present from the club included: Kevin Dunay; Rose Dunay; Jane Fountain; Ronnie Hawes; Tom Jacobs; John Marshall; Paul Petty; Steve Reynolds; and Wayne Teachey.

About 100 people came to this viewing session between dusk (8:30 local time) and 11:00 PM.

Our Constitution is Changing

At the July general meeting the Cape Fear Astronomy Club will vote on changes to our current constitution. These changes are being made in order to obtain North Carolina Non-Profit status.

The following two articles are to be added to our current Constitution:

Article 11 - Earnings

Section 1: No part of the net earnings of The Cape Fear Astronomy Club shall insure to the benefit of, it's members, directors, officers, or other persons except that the organization shall be authorized and empowered to pay reasonable compensation for services rendered and to make payments and distributions in furtherance of the exempt purpose of this organization.

Article 12 - Dissolution

Section 1: In the event of dissolution of The Cape Fear Astronomy Club, the residual assets of this organization shall be equally divided and distributed to:

- A: The Cumberland County Astronomy Club.
- B: The Astronomical League.

No other changes to the constitution are planned at this time. Complete and current copies of the club's constitution will be available at the July meeting for any member who does not have the most current copy. The constitution was last changed in January of 1988.

Welcome to Our New Members

Please extend a warm welcome to our newest club members. Our new members are: Amanda Marshall; Jo'von Dixon; and Wilton M. Barnes.

Our club now has 50 paid members.

Sky Calendar for July 1988

(All times are Given in UT to convert to EDT subtract 4 hours.)

1st	13:00	Mercury at greatest southern latitude -7°.	17th	1:00	Regulus passes 1° south of the Moon. Occultation
2nd	0:00	Midpoint for 1988		16:00	Mars at it's greatest southern latitude -1.9°.
	6:00	Moon at perigee distance is 57.0 Earth-radii.	18th	0:00	Moon at apogee distance is 63.6 Earth-radii.
4th	8:00	Venus is stationary in right ascension.		9:00	Moon at descending node.
	11:00	Moon at ascending node.	19th	18:00	Venus at it's greatest brilliancy magnitude -4.5.
5th	7:00	Mars passes 5° south of the Moon	20th	8:00	Sun enter constellation of Cancer.
6th	0:00	Earth at Aphelion distance is 1.02 a. u.		14:00	Mercury at ascending node.
	11:36	Moon at last quarter.		-----	Neil Armstrong and Buzz Aldrin become the first men to walk on the surface of the moon on this date in 1969.
	16:00	Mercury at it's greatest western elongation of 21°.		-----	Viking 1 transmits the first images from the Martian surface on this date in 1976.
8th	-----	Capricornids Meteors. Radiant is right ascension 20:22; declination -10°; ZHR = 7; Slow moving; Yellow in color many Fireballs possible.	22nd	2:14	Moon at first quarter.
9th	19:00	Jupiter passes 6° south of the Moon.	25th	5:00	Antares passes 0.6° north of the Moon.
10th	-----	The first "live via satellite" television broadcast is made between Europe and the United States on this date in 1962 using the Telstar 1.		5:00	Mercury at perihelion distance from the Sun is .3075 a. u.
11th	1:00	Venus passes 10° south of the Moon.		18:00	Pluto is stationary in right ascension resumes forward (eastward) motion.
12th	4:00	Mercury passes 7° south of the Moon.	26th	11:00	Saturn passes 6° north of the Moon.
13th	21:53	New Moon. Lunation number 811.		12:00	Uranus passes 5° north of the Moon.
14th	7:00	Venus is at aphelion distance from the sun is .728 a. u.	27th	5:00	Neptune passes 6° north of the Moon.
	-----	Mariner 4 sends the first close-up images of the Martian surface on this date in 1965.	29th	3:25	Full Moon. Called the Thunder or Hay Moon.
	-----	Phoenicids meteors. Radiant is right ascension 2:04; declination -48°. This stream has not been sighted visually.		-----	Delta Aquarids. Radiant is right ascension 22:36; declination -17°; speed medium; ZHR = 10 to 35
16th	-----	Omicron Draconids. Radiant is right ascension 18:04; declination 59°; Parent body Comet Metcalf (1919).	30th	8:00	Moon at perigee distance 56.3 Earth-radii.
	-----	Alpha Lyrids. Radiant is right ascension 18:40; declination 38°.	31st	17:00	Moon at ascending node.
				-----	Astronauts Dave Scott and Jim Irwin are the first to use the Moon Buggy in exploring the Moon on this date in 1971.

Upcoming Events for July

Club Yard Sale

July 2, 1988; 7:00 AM until 2:00 PM - Carolina Beach Road Flea Market

Club Viewing Session

July 9, 1988; Dusk until "?" - Pender County Site

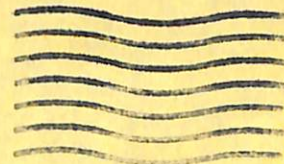
Monthly Meeting of the Cape Fear Astronomy Club

July 10, 1988; 7:00 PM - Bryan Auditorium; Morton Hall

Club and/or Public Viewing Session

July 23, 1988; Dusk until "?" - Site to be Announced.

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