



Cape Fear

Skies



A
Monthly
Newsletter of the
Cape Fear Astronomy Club

Volume 3 Number 1

Wilmington, NC

January 1988

January Meeting

January 10, 1988 6:00 PM
Bryan Auditorium
Morton Hall
UNC-W Campus

The next meeting of the Cape Fear Astronomy Club will be held on Sunday January 10, 1988 Bryan Auditorium in Morton Hall on the UNC-W Campus. The business meeting will begin at 6:00 pm. Please note that this is the second Sunday of the month so as to miss the holiday weekend. Balloting for officers for next year will be held at this meeting. Your official ballot is enclosed as page 3 and 4 of this newsletter. (See "December meeting highlights" and "Club Officer Elections" elsewhere in this issue for more informations about the elections.

The program for the general meeting for January will be a talk given by Bob Melvin. Mr. Melvin is a student at the University of North Carolina at Chapel Hill. His talk will be cover the research work he did last summer at the Kitt Peak observatory located in Arizona. This should be another excellent program that you will not want to miss.

Highlights of the December Meeting

The December meeting of the Cape Fear Astronomy Club met at Morton Hall at 6pm for the business meeting and 7pm for the general meeting.

Club membership must be paid in January. Dues are \$15.00 for individuals or \$20.00 for a family. 1988 is the last year a Lifetime membership will be offered for

\$100.00.

Ronnie Hawes gave a treasures report and reported on the proceeds from the yard sale. Alan Hilburn thanked everyone who participated and suggested we need to think of some other money making projects.

Alan suggested that Editor of the newsletter be made a staff member. Club members present voted by a show of hands to so amend the club's constitution. Tom Jacobs agreed to serve in that capacity.

The members voted that all mail be sent to one locations. Paul Petty agreed to accept all club mail. All club mail should be addressed to:

Cape Fear Astronomy Club
110 Linville Dr.
Castle Hayne, NC 28429

It is hoped that this change will reduce confusion for non club members in communicating with the club.

Steve Reynolds reported he had completed the Club scrapbook with pictures and articles thru August 1987.

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Club Officer Elections

The January meeting is here and it is time to elect those people who are to serve as officers of the Cape Fear Astronomy Club for the 1988 year. Your official ballot has been enclosed as pages 3 and 4 of this newsletter. (Page 4 of the newsletter has been left blank.) In order to cast your ballot you must come to the January meeting as our constitution does not allow for absentee voting. Please bring your enclosed ballot with you to the January meeting.

The slate of officers for 1988 is as follows:

President Alan Hilburn	Vice President Paul Petty.
Assoc. Vice President Jane Fountain Doug Green	Secretary Barbara McGowan
Treasurer Ronnie Hawes	Chief Editor Tom Jacobs

To vote for a candidate write that candidate's name in the space provided on the ballot. Space is provided on the ballot for write-in candidates for any office.

Photographs Are Needed.

The club would like to borrow any photographs you might have of any object in the sky. Photographs are needed for the programs that are being prepared for the local schools. Any photograph that you bring to the general meeting will be copied and returned to you.

(December Meeting Highlights Continued from page 1)

Alan suggested the Cape Fear Astronomy Club send a T-shirt; binoculars; a junior membership; and a subscription to Odyssey to a 12 year old boy who resides at Boy's Home as a Christmas gift.

Nominations for Cape Fear Astronomy Club officers were presented: Tom Jacobs was nominated for Editor and accepted. Ronnie Hawes was nominated for Treasurer and accepted. Barbara McGowan was nominated for Secretary and accepted. Jane Fountain was nominated for Associate Vice President and accepted. Doug Green was nominated for Associate Vice President and accepted. Both Wayne Teachev and David

Common Names for the Messier Objects

Messier Number	NGC	Common Name
1	1952	Crab nebula
8	6523	Lagoon nebula
13	6205	Hercules cluster
17	6618	Omega or Horseshoe nebula
20	6514	Trifid nebula
27	6853	Dumbbell nebula
31	224	Andromeda nebula
42	1976	Great Nebula in Orion
43	1982	Northeast wing of Great Nebula
44	2632	Praesepe or Beehive
45		Pleiades
51	5194	Whirlpool nebula
57	6720	Ring nebula
64	4826	Blackeye nebula
97	3587	Owl nebula
104	4594	Sombrero nebula

Welcome New Members

Please extend a clear skies welcome to our new members during December. These include: Charles Peters; Sharon Strom and her son Kevin Strom; Kevin Dunay husband of Rose Dunay; and the Caison family Maurice; Lois; and Amy. The current membership total for the Cape Fear Astronomy Club now stands at 55.

Maness were nominated for the office of Associate Vice President but each declined for personal reasons. Paul Petty was nominated for Vice President and accepted. Alan Hilburn was nominated for President and accepted. Elections will be held at the January 10th meeting which begins at 6pm. The general meeting will begin at 7pm. More information about elections and voting can be found in "Club Officer Elections" which is on page 2 of the newsletter.

Barbara McGowan is the Club Librarian. There are several books in the club library and these may be checked out for a one month period. They must be returned at the next meeting. There are also several astronomy magazines available.

-Barbara McGowan

Sky Calendar for January 1988

(All times are Given in UT to convert to EST subtract 5 hours.)

1st	5:00	Happy New Year.	19:00	Moon at Perigee. Distance from the Earth is 56.1 Earth radii.
4th	1:40	Full Moon. Called Old Moon or Moon after Yule.	20th	----- Sun enters Capricornus.
	13:00	Quadrantid Meteors. Radiant in N. E. Bootes Zhr= 110. Good luck as this shower occurs on the day of Full Moon.		9:00 Moon passes 2° south of Mercury.
7th	-----	Galileo discovers Jupiter's moons Io, Europa, and Callisto in the year 1610.	21st	19:00 Moon passes .07° south of Venus.
	6:00	Moon at apogee. Distance from the Earth is 63.7 Earth radii.		22:00 Mars at 5° North of Antares. Magnitude 1.4 and 1.0 respectively.
	14:00	Mercury at greatest latitude South of ecliptic. (-7°)	22nd	23:00 Moon at ascending node.
10th	-----	Moon at descending node	23rd	4:00 Asteroid Vesta at opposition. The Brightest of all asteroids it will be 1.5 au distant and appear at magnitude 6.5.
11th	-----	William Herschel discovers the moons of Uranus Titania and Oberon in 1787.	24th	----- Voyager 2 becomes the first spacecraft to investigate Uranus and its satellites. After more than 8 years of travel the Voyager probe arrives in 1986.
12th	7:04	Moon at Last Quarter.	25th	2:00 Moon passes 4° north of Jupiter.
	12:00	Moon passes .4° south of Spica.		21:53 Moon at Last Quarter.
13th	-----	Galileo discovers the moon Ganymede of Jupiter in 1610.	26th	15:00 Mercury at ascending Node through ecliptic.
15th	16:00	Moon passes 5° south of Mars.		17:00 Mercury at greatest eastern elongation 18.5° from the Sun.
	23:00	Moon passes .3° south of Antares.	27th	----- Fire aboard Apollo 1 kills astronauts Grissom, White, and Chaffee during a training exercise in 1967.
16th	0:00	Delta Cancri Meteors. Radiant west of Praesepe. Zhr = 3	28th	----- Explosion of space shuttle Challenger kills astronauts Jarvis, McAuliffe, McNair, Onizuka, Resnik, Scobee and Smith shortly after takeoff in 1986.
17th	4:00	Moon passes 6° south of Saturn.	31st	----- Explorer 1 becomes the first American satellite to be launched in 1958.
	6:00	Moon passes 5° south of Uranus.		7:00 Mercury at perihelion distance from the Sun is 0.3075 au.
	21:00	Moon passes 6° south of Neptune.		
18th	5:00	Comet Berenicid Meteors. Radiant from RA 12h30m dec +19°. Zhr = 1		
19th	5:26	New Moon. Lunation number 805.		