O B S E R V A T I O N S

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JUNE MEETING OF CCAS

The June meeting of CCAS will be held on Thursday, June 16, 1994, at 8 PM at the headquarters of the Brandywine Valley Association (BVA). This is a departure from the regular meeting date of the second Tuesday of each month. We are privileged to have as our speaker for this meeting, Mr. James Mullaney. He is a past curator of the Buhl Planetarium in Pittsburgh, a past staff astronomer at the Allegheny Observatory and has published many articles on a variety of astronomical subjects and authored the book "The Finest Deep-sky Objects". His talk will emphasize observational astronomy and will be an excellent beginning for our Summer observing sessions.

In order to place an emphasis on observational astronomy, the Executive Committee has arranged with the BVA to have three Summer meetings at their location about six miles west of West Chester on route 842. Members are encouraged to bring their 'scopes where there is reasonably dark skies in the field adjacent to the BVA building. If you are new to this activity, there will always be members willing to assist you in setting up an observing with your 'scope. There is much to see in the Spring night sky.

SUMMER MEETINGS OF CCAS

The July and August meetings will also be held at the BVA location on Route 842 west of West Chester. They are scheduled as follows:

Saturday, July 16, 1994, 8 PM
Friday, August 12, 1994, 8 PM

The August meeting was chosen to coincide with the maximum of the annual ***Perseid Meter Shower***. Some predictions have been made which state this year's display may be a particularly good one.

Beginning with the September meeting, we will be resuming our regular time and place for the CCAS meetings: the second Tuesday of each month in the planetarium room (Rm. 186) Schmucker Science Center, West Chester University, corner of Rosedale Ave and South Church St., West Chester, PA.

OFFICERS ELECTED

At the May meeting of CCAS, the following members were elected to office:

President:	Edwin Lucott
Vice President:	Mike Tucker
Treasurer:	Steve Lurcott
Secretary:	Nancy Armstrong

These officers will serve from June 1994 to June 1995.

MAY MEETING ATTENDEES OBSERVED WITH W.C.U's OBSERVATORY

Following the business portion of the May meeting those attending enjoyed using W.C.U.'s 12½" Cassegrain Telescope on the roof of the Schmucker Science Center. Among the objects observed, were globular clusters: M3, M13, galaxies: M81, M82, double stars: gamma, Leo, and Mizar, and of course the planet Jupiter. It was an exceptionally clear night with very good seeing, considering the location in downtown West Chester. Ed Lurcott demonstrated the use of the setting circles on the 'scope to locate faint objects and described the various accessories available to students.

CRASH OF COMET SHOEMAKER-LEVY ONTO JUPITER JULY 16 TO 22 1994

The effects of impacts by the fragments of comet Shoemaker-Levy may be visible on the cloud tops of Jupiter with moderate sized telescopes. In order to detect the changes in the patterns of the clouds, one must become familiar with the patterns before impact. Jupiter rotates in 9 hrs 50 min at the equator and 9 hrs 55 mins. in the temperate zones. Impacts are expected to occur near the southern temperate zone. This zone is about 2/3 of the way from the equator to the south pole. Sighting impacts of the major fragments will be difficult from the U.S.A. According to information in the July *Sky & Telescope*, there will be only two impacts visible from the Eastern US: on the evening of July 15 @ 11:11 PM EDT, when Jupiter is about 14° above the SW horizon and on the evening of July 17 @ 10:37 PM EDT, when Jupiter is about 22° above the SW horizon. Two impacts are predicted to occur during day light when Jupiter is visible from the Eastern US. These impacts are on the afternoon of July 19 @ 5:55 PM EDT and the afternoon of July 21 @ 5:43 PM EDT. Observing these impacts of course, will require on to locate Jupiter in the daylight. However, the impact points on Jupiter will rotate to the central meridian in 2½ hours. Five hours after impact times, the impact point will have rotated out of sight from earth.

The effects of these impacts on Jupiter are predicted to be rather small. But if they are larger than predicted, it would be a shame if one would not look at all and miss one of the rarest occurrences in the solar system in recorded history.

Note that the impact predicted for 11:11 PM EDT July 16, 1994, occurs during CCAS's July observing session at the BVA.

All predicted impact times will be updated by *Sky & Telescope* the week prior to impact. You may call their Sky line (617-497-4168) for the revised impact times.

CCAS Membership Information

Chester County Astronomical Society is a non-profit organization intended for the education and enjoyment of the general public. Anyone interested in astronomy (at any level) is invited to attend meetings and become a member of the society.

The present membership rates are as follows:

Regular membership: $20/Year
Senior membership°: $10/Year
Student membership*: $5/Year
Junior membership!: $5/Year

° Over 65 yrs of age.

* Students must be enrolled at a college or University and be 17 yrs of age or older.

! Junior members less than 17 yrs of age.

COMET SHOEMAKER-LEVY 9 FRAGMENTS ARE PREDICTED TO IMPACT JUPITER AT THE FOLLOWING TIMES BY J.P.L. JULY 5, 1994

FRAGMENT	U.T. DATE	U.T. TIME	LOCAL DATE	LOCAL E.D.T.	U.S. EAST COAST REMARKS
A (21)	JULY 16	19:54	JULY 16	3:54 PM	DAYLIGHT
B (20)	JULY 17	2:49	JULY 16	10:49 PM	JUPITER SETS: 12:40 PM
C (19)	JULY 17	6:56	JULY 17	2:56 AM	NOT VISIBLE
D (18)	JULY 17	11:42	JULY 17	7:42 AM	NOT VISIBLE
E (17)	JULY 17	15:04	JULY 17	11:04 AM	DAYLIGHT
F (16)	JULY 18	0:28	JULY 17	8:28 PM	SUN SET @ 8:25 PM ±
G (15)	JULY 18	7:28	JULY 18	3:28 AM	NOT VISIBLE
H (14)	JULY 18	19:26	JULY 18	3:26 PM	DAYLIGHT
K (12)	JULY 19	10:18	JULY 19	6:18 AM	NOT VISIBLE
L (11)	JULY 19	22:07	JULY 19	6:07 PM	DAYLIGHT
N (9)	JULY 20	10:19	JULY 20	6:19 AM	NOT VISIBLE
P2 (8b)	JULY 20	15:05	JULY 20	11:05 AM	DAYLIGHT
Q2 (7b)	JULY 20	19:32	JULY 20	3:32 PM	DAYLIGHT
Q1 (7a)	JULY 20	19:59	JULY 20	3:59 PM	DAYLIGHT
R (6)	JULY 21	5:22	JULY 21	1:22 AM	NOT VISIBLE
S (5)	JULY 21	15:07	JULY 21	11:07 AM	DAYLIGHT
T (4)	JULY 21	18:04	JULY 21	2:04 PM	DAYLIGHT
U (3)	JULY 21	21:47	JULY 21	5:47 PM	DAYLIGHT
V (2)	JULY 22	3:57	JULY 21	11:57 PM	JUPITER SETS 12:30 PM
W (1)	JULY 22	7:53	JULY 22	3:53 AM	NOT VISIBLE