

Our next meeting will be Tuesday, August 30 at the Union Loan and Savings at 56th and O. Lately we have been averaging about 20 per meeting. Let's all get to this month's meeting and see if we can do a little better than that.

The Sky Month By Month

by Tom Journey

Located at about 18 hours right ascension is the constellation of Lyra, the "lyre"

Lyra contains many variables and multiple star systems, and one of the most famous planetary nebulae in the heavens.

Beta Lyrae is one of the variables visible with the unaided eye. Telescopically it is a multiple system, having six components. There are several more multiples, including Zeta Lyrae containing five stars. Epsilon Lyrae is a double double. The main double is visible without optical aid by persons with excellent eyesight. Four stars may be viewed with a telescope. They have apparent magnitudes of 5.1, 6.0, 5.1, and 5.4.

Vega, a link in the "Summer Triangle" of Vega, Deneb, and Altair, and one of the brightest stars, is also a double. Its companion is magnitude 10.5 and is orange, while Vega is blue-white. Vega is 26 light-years from earth and is the brightest summer star. The star's name comes from the Arabic An-Nasr al-Waqi', the "falling eagle or vulture." Vega's 1970 coordinates are: RA 18h 35.9m and Dec 38° 45'. Its spectral type is A0 and it is a main sequence star. The parallax is 0.123 (parallax is the apparent displacement of an object observed; especially a heavenly body, due to a change or difference in the position of the ob-

server). Vega's absolute visual magnitude is 0.5.

The next object in Lyra is M57 or NGC 6720. This object also goes by the "Ring Nebula," because of its similarity to a smoke ring. This nebula can be seen in a five- or six-inch telescope. Larger instruments reveal it more as a soap bubble than a flat ring. Like all planetaries there is a star in the center. This star happens to be of magnitude 15, which accounts for the nebula's faintness. M57 belongs to a large group of planetary nebulae. The adjective "planetary" refers to their resemblance in shape to the terrestrial planets. Actually, the origin of the word goes back to about the 18th century. At that time William Herschel noted various different objects and named them "planetary nebulae," because they showed planetlike disks. The ring Nebula is at a distance of 5,400 light-years from us.

Ed Woerner wants a 1" fleyepiece for a finder scope: call 466-9234

For the last couple of meetings Monty Cole has sent an announcement of them to KLMS. For about a week before each, the announcements were read every couple of hours.

Remember the meeting next Tuesday: Reports, discussion and refreshments. Let's all try to be there.

Prairie Astronomy Club Inc
Lincoln Nebr. Aug 30th 1966.

Meeting At Union Loan And Savings Building, 56th and O St, Aug 30th
7.30 P M. Regular Meeting.

Program- The Atlas of the Heavens, How to Read And
Understand. Several Publications. Bring Yours.

The Presidents Report- The Star Party For Aug 12th was Rained Out.
On Sat the 13th we had a very good night. About 15 turned out and
saw the perseid meteor shower. There wasn't quite as many meteors
as two years ago but it was a good show. Several Club members came
out on thursday the 11th. We saw as many perseids on that night
as we did on saturday.

Ricky Johnson has been out at my place several nights the
past two weeks. Rick is well into his project of photographing all
of the messier objects in color.

Its about time we had a public sky show at Gateway. (Earl
Note) We are all lined up for a show at GATEWAY, thursday night
Sept 22nd.) First quarter Moon. Saturn rises about sunset.

I am working on a letter that the club will send to various
industry, business, and individuals for contributions to our Obser-
vatory. I will try and have it ready for presentation to the Club
at our next Meeting.

Earl Moser, Pres

Review

Meeting Aug 30th 7.30 P M. Union Loan and Savings
56th and O St

Gateway Sky Show. Sept 22nd. Thursday night. We will
talk about this at our Meeting.

Refreshments. Come, Bring a friend.

Thats It. Jess

Name	Street	Phone	Scope
Steve Bures	1311 NO 78th St		
Walter Behlan	2555 Forshing Rd	Columbus	Hebr
Monte Cole	800 Eldon Dr		6
Felix Cavosic	4116 G St	489-2019	3
Scott Coatsworth	6019 Franklin	468-0760	3
Stuart Chastain	1820 SO 50	488-1729	3
Wayne Balchuk	814 Eldon Dr		
Walter Erbach	2979 Dudley		6
Laurie Edwards	5300 Fairdale Rd	489-1329	
H L Franco	1734 SO Cotner	488-0085	3
Jim-Marv Garber	2539 Bessler Blvd	423-8780	
Allen Griesmer	Huoller Planetarium Uni Of Hebr	North Hall	
Jim Hoskins	4621 Cooper	488-4585	6
Dick Hartley	320 Edgewood	489-4105	6
Gary Hagerman	923 Moraine Dr		
Ricky Johnson	1860 Farnsee	423-6726	Star 10
Tom Journey	6227 - 1/2 Mile Supt Ave N.W.	Albuquerque New Mexico	
Jim Hobson	2223 VanDorn	423-2512	6
Warner Warner	St 1	Seward	Hebr
Tim Knott	2510 B St		
Margaretta Montras	1132 Alrich Rd		
George Lyberis	4515 Newton St		
Jerry Mazurak	1001 Eldon Dr		
Steve Munke	1001 No 69th St		6
Earl Moser		Nickman Hebr 982-2660-2565	6
Prof Carrol Moore	1140 No 79th St	Hebr Wesleyan Uni	
Bill Noel	1646 David Dr	434-1765	4
John Oaks	421 NO 75th St		3
Cliver Peppond	131 NO 18th St		6
Chilo Prell	4425 Randolph		
Thomas Pansing	2033 SO 33rd St		Star
Ray Plouzak	5015 Normal		
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