

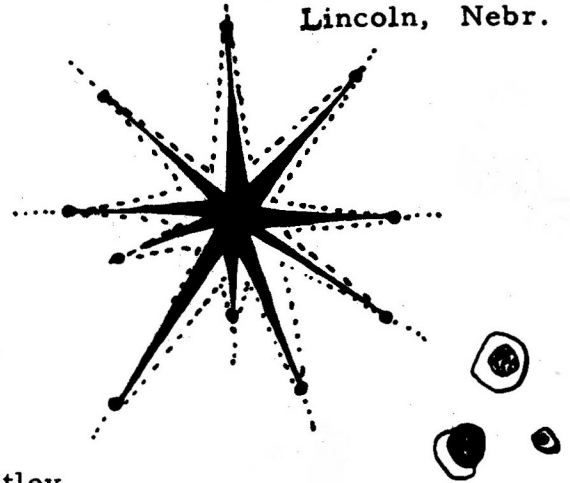
Oct. 3, 1962
Lincoln, Nebr.

Prairie Astronomy Club

Pres. Jess Williams

Act. Sec. James Hoskins

Pro. Dir. Dick Hartley



Our last meeting, as most of you are aware, started rather slowly for the simple fact that we had no where to hold the meeting. Our usual meeting place (Physics Build.) was under-going a wiring change and under these conditions we were temporarily without lights. We then moved to the conference room in the Wesleyan Student Union. This turned out to be rather nice for a change, however, we were without a few misc. items such as a movie screen, chalk, etc.

Peter Schultz then gave his very excellent as well as interesting talk on the Aurora and the related upper atmosphere. I do believe that Pete's talk made many of us start theorizing for ourselves. His own photographs and movie not only aided greatly in his talk but represented several years of very good work.

The remainder of our meeting was principally occupied by discussion and announcements. Finances were discussed and Jess Williams suggested that we pay our dues at the Oct. meeting. So with this in mind we should have an exceptional turnout. Mr. Williams also mentioned that we'll set up the Sky & Telescope arrangement for the members. In other words, for you folks that haven't subscribed to this excellent magazine, as yet, well receive it for one year, plus be paid up for one years club dues. For the subscribers, your subscription well be automatically advanced one year. The dues again is \$5.00 .

+++++

Modern science boasts of "Stars in mans Service" So might a microscopic creature in the bloodstream of a doomed human boast of it's dominance of our world, if we picture the creature as a bacterial organism infecting the humans blood, boasting with greater justification and more hope of ultimate success.

The cosmos has many dimentions. The number may be infinite. Our physical senses- sight, hearing, touch, ect., are useless as instruments for the observation of other dimensional phenomona.

+++++

OCCULTATION OF SATURN

Sept. 10, 62

Jess Williams



First I was a little confused as to the time it would take place. Thought it was to start somewhere around 9 PM, so I kinda drug my feet on getting set up. Got my scope in position about 7:45, and took a look at the moon and saw Saturn real close to it, so I got a hurry on. At first my drive was very unsteady and did not get a very good picture of the disappearance of Saturn which started at 8:07, and believe me within 45 seconds Saturn was engulfed by the moon. This was an erie sight as the rings seemed to just disappear into space. By the time Saturn was gone my clock drive was working O. K. and I left it in it's same position. Then I went into the house and got my Sky & Telescope magazine and found out that from

first contact to re-appearance would take about 67 minutes.

After about 50 minutes I took up the watch again and did my best to catch the first appearance of the rings. They came at the place I expected, but different from what should have been expected. Seemed as tho the ring just jumped out from behind the moon or that some sort of atmosphere caused it to show at this distance from the moon. Took a picture at this moment and it was a very good one. Took several more as the distance increased. The re-appearance was just as fast as the exit.

My time between exit and re-appearance was 1 hr-14 min.

+++++

DID YOU KNOW???

The companion to Sirius is a White Dwarf star. It has a mass .9 times that of our sun, yet it is 360 times fainter. It is 10,000 times fainter than Sirius. It is about three times the diameter of the earth but 250,000 times the earth's mass. One cubic inch of it would weight a ton. It is 3000 times as dense as gold, 5000 times dense as lead, and 60,000 times as dense as water.

Mars has two moons, Deimos and Phobos, and both are quite small. The largest estimates of their size being 5 and 10 miles. The inner satellite revolves about the planet in 7 1/2 hrs. It is the only satellite known to revolve faster than it's primary rotates. We can see more with the naked

eye on the moon than we have been able to see on Mars with our telescopes.

+++

Saturn has nine moons. The largest one is about the size of Mercury and under favorable conditions can be seen with good field glasses.

+++

Venus has no visible satellites.

+++

~~It is now the general belief that all comets are members of our solar system.~~

+++

To find the power of an eye piece, divide the focal length of the objective by the focal length of the eye piece.

+++++

At the next meeting the program will consist partially, of two films, one of which will be on the Universe. Also we plan to have a talk and demonstration on the Questar.

Robert Hilt	3751 Sumner
* James Hoskins	2901 Calvert
* John Howe	1145 Lancaster Lane
* Phil Johnson	1860 Pawnee
* Rick Johnson	1860 Pawnee
Val Kane	810 Groveland
* Werner Klammer	230 Hillcrest- Seward, Nebr.
Ken Kopta	1544 Crestline Dr.
Bart Lewis	3540 Mohawk
* Philo Prell	4425 Randolph
* Thomas Pansing	2033 S. 33rd St.
* Eugene Robertson	5742 St. Paul
* Pete Schultz	2625 N. Eden Dr.
Tom Sheffield	3744 Sumner
W M Swanson	4621 A St.
* Walter Uhlig	444 Locust- Seward, Nebr
Boyd Thompson	3507 Woods Ave.
* Jess Williams	1315 S. 40th
Jerry Lodwig	5120 Sumner
Carl Krumme	4926 Hartley
Wayne Krumme	4926 Hartley
Kelly Starkey	1131 Meadow lane Dr.
Garry Starkey	1131 Meadow Lane Dr.
Lloyd Starkey	1131 Meadow Lane Dr.
Robert & Ruth Budd	3450 Gable
Dale Rathe	4070 S. 20th
Mr Overgard	6420 South St.
* Roger Cook	6950 Lexington
Chas Johnson	1134 Meadow Dale, Dr.
* James Moore	3711 Michal Ter.
* Earl Moser	Hickman, Nebr.
* Russel Llewellyn	3505 Hughes
Dennis Ward	1535 N. 50th
* David Groome	6439 Walker Dr.
* David Curtin	3564 Craw St.
* Don Johnson	Ceresco, Nebr.
W. Scheiderer	651 N. 6th St.
James Kendrick	3338 Starr

This was a swell start and we will add to this list as fast as you fellows pay the Sec. your five dollars. Remember that one membership per family is all that is needed.

I have had two letters from pres., Roy Ekberg, of the Omaha Astro. Soc., and he is very enthused about knowing that we have a real going club and he suggests that we not only meet together on occasion but work on projects together. I think that we will all Okay this. He has invited us to their next meeting at Omaha, Nov. 18h which is on a Sunday and at 2 PM. Here's what he says about it, first we will get acquainted, and they are trying to arrange a Tel lecture with the Harvard Obs. Also Dr. Leuinghoener at Midland College who is a consultant on the N. U. Planetarium will give a talk at the end.

Be thinking about this and we will take it up at our next meeting Nov. 7th. Looks like a lot of good things ahead for our club.