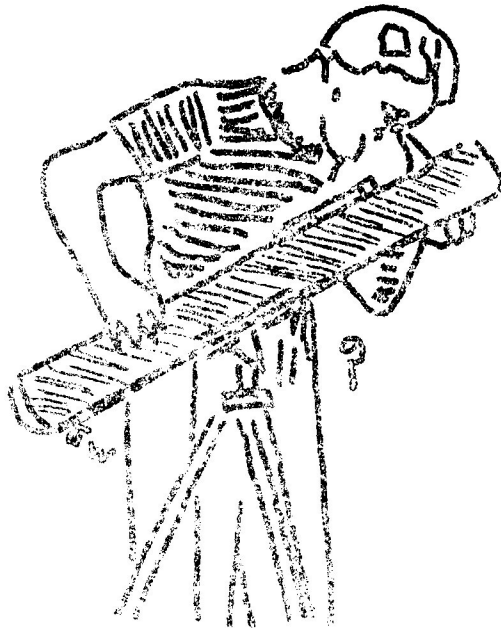
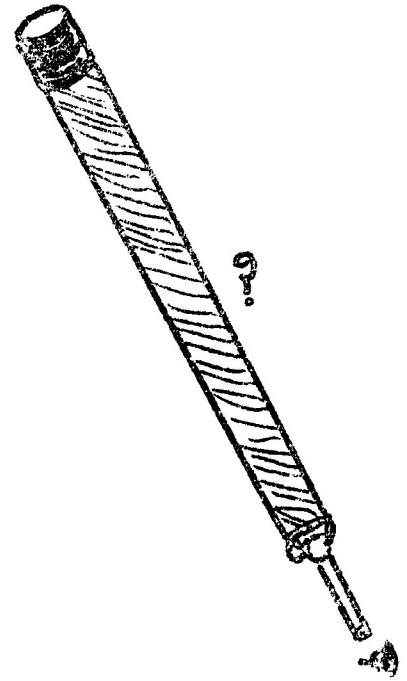
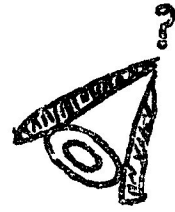
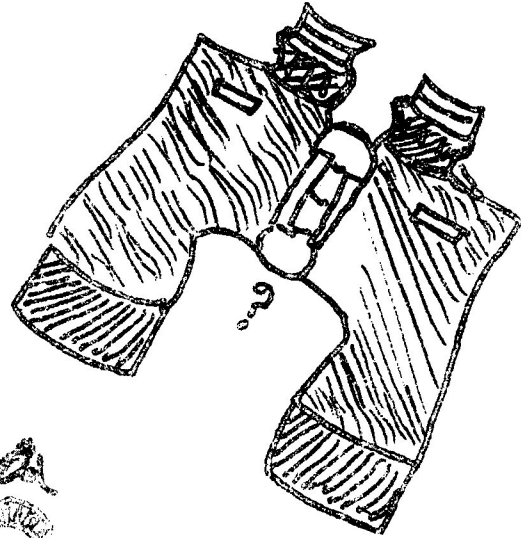


4-66



April-1966  
SPRING

Prairie Observing Club

Lincoln  
Nebr



Prairie Astronomy Club. Lincoln Nebr. April 26th 66.  
A Non-Profit Corporation.  
Earl Moser, Pres Dick Hartley, Treas Jess Williams Sec, y

The Next meeting of the Club will be held April 26th at The Union Loan and Savings Bldg, 56th and O St, 7.30 P.M.

The Subject or Title of this meeting will be "YOUR TELESCOPE, its construction and How to Use It" This should be a very interesting subject, very close to all us Amateure observers.

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Your Presidents Report. Dear Members,. I wrote a letter to Charles Thone, attorney for the Nebr theatre assn, expressing my stand Against Daylight saving Time. The Theatre Assn, and the Nebraska Farm bureau oppose any bill that would add Nebr, to the list of states with D-L-savings time. I think our club and others in Nebr, should voice a strong opposition to those who would take an hour of darkness away from us. To give an hour of daylight to Golfers, Fishermen, gardeners and ets, means taking an hour away from us and that is wrong in our opinion. It may be un-constitutional. We also have a right to life, liberty and the pursuit of happiness. What do you as amateur astronomers think of it? A letter to your representative or Congress man may help our cause.

Friday night the 15th we had a Star Party out at my place. We had a Good turnout considering the Sky conditions. The first hour after dark, viewing was good. The next hour it was hide and seek with the clouds. After that, total clouds. Good while it lasted. We will have another on Friday May 13th. We will give superstition and bad L U C H another try.

Yours. Earl Moser.

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Here is one from Rick Johnson.

Imagine a strain of submicrobes as small as molecules. they inhabit a Poppy seed they call "EARTH" and vow to invade a tobacco seed, the "MOON" before long, even though it is a  $1\frac{1}{2}$  inch journey. Already, a few of them have traveled a small fraction of an inch from their native poppy seed. And by shooting some submicroscopic particles they call "PROBES" they have succeeded in reaching hundreds of inches into space and approaching other seeds, like the one known as "VENUS".

The inhabitants of the poppy seed use powerful telescopes to study remote objects they call "Stars" none of which is closer than 2,500 miles, and "Globular star Clusters," which the nearest being six million miles away. They also study "galaxies" which they dream of visiting some day. These "galaxies" are found no closer (than) to the poppy seed than 2,000,000,000 miles.

For such small microbes they have large Dreams.



Tips- What is our nearest Star? S U N

Can you locate the North Star?

Moon means month.

Our position here in the center of Lincoln is

Altitude 40-43 Longitude 96-42.

A black dot  $\frac{3}{8}$  inch placed at the center of your mirror will not interfere with your seeing, but will help to make alignment easy.

The Sun's diameter- 864,000 Miles  
size is 12,000 times earth's  
distance is approx 94 million miles

We see only Sun's outer Atmosphere which has temp of 10,000 Deg Fahrenheit. Inner temp must be measured in the million degree,s

The Sun like every other star is moving through space about 12 miles per sec, carrying it and its family of Planets, moons meteor,s and comets along with it. We are moving toward Vega in Lyra.

The Sun revolves on its Axis once in 25 Days.

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What you should know.

Many beginners think about power or MAGNIFICATION as the most important quality to look for in a telescope. Magnification is important, however, it is only one of three functions a GOOD---telescope is required to perform.

The second function is LIGHT GATHERING power which in -creases the apparent brightness of an image.

Third- Resolving power, which depends on quality of the objective or reflecting mirror.

There are two basic types of astronomical Telescopes--- The refractor uses an objective lens and the reflector uses a Mirror. The reflector type, because of its economy, seems to be the most popular choice of the Beginner. Thus with a reflector type telescope, you can see more and better for the money and effort.

Telescope experts agree that the top useful power is about 50X-60X per inch of objective aperture, that is, 180X for a 3 inch telescope. 255X for a  $\frac{1}{2}$ " 360X for a 6" and 480X for an 8 inch. When you go beyond 50X-60X per inch, it Mag--nifies (Amplifies) everything including the diffraction---- patterns, heat waves, dust, clouds and air currents to the -- point of producing fuzzy images.

$\frac{1}{4}$ -wave Optics. The usual tolerance for high-precision optics is one quarter of the wavelength of light---no part of the glass surface must depart more than  $\frac{1}{4}$  wave or 5---millionths-of-an-inch from the specified shape. Narrowing of this tolerance to  $\frac{1}{8}$  wave,  $\frac{1}{10}$ -Wave, etc., is more in the nature of advertising than any appreciable gain in definition.

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The above is part of what we will talk about at the meeting April 26th, so come and take part.



Tim Knott 2510 B St CITY	Walter Behlan 2555 Parshing Rd Columbus Nebr.	Walter Erbach 2979 Dudley St CITY
Monte Cole 800 Eldon Dr City	Felix Cavosie 4216 G St City	Dick Hartley 320 Wedgewood CITY
H. L. Franey 1734 SO Cotner CITY	Jim-Mary Garber 2539 Kessler Blvd CITY	Garry Hagerman 923 Moraine Dr CITY
Jim Hoskins 2901 Calvert City	Steve Kunkoo 1001 NO 69th St CITY	Geo Lybrasis 4515 Newton St CITY
Ricky Johnson 1860 Pawnee City	Earl Hoser Hickman Nebr	Warner Klammer Rt 1 Seward Nebr
Prof Carroll Moore 1140 NO 79th St City	John Oaks 421 NO 75th St CITY	Phille Prell 4425 Randolph St CITY
Bill Noel 1646 David Dr City	Review Of Pop Astronomy Box 231 St Louis Mo .5	
Thomas Pansing 2033 SO 33rd St City	Gene Robertson 5742 St Paul St CITY	Tom Journey 3907 A Ortig Ct N.E. Albuquerque N.M. 87110
Kent Remmigo 6740 Francis St City	Fred-Mark Stoner 2220 NO 68th St CITY	Pete Schultz 2625 N. Eden Dr CITY
Mildred Seacrest 1230 Crestdale Rd City	Ed Woerner 4530 Adams CITY	Bobby Shanor 518 SO 50th St CITY
Adrienne Valverde 1120 No 78th st City	Sky Pub Corp Harvard College Observ Cambridge Mass	Jess Williams 7844 So Sycamore City
John Shaw 6920 W St City	Larry Stepp 910 Eldon Dr CITY	Union Loan And Saving 56th and O St CITY
Stewart Chastain 1820 SO 50th St City	Scott Coatsworth 6019 Franklin St CITY	Olivor Peppond 131 NO 18th St City

The Above is a copy of my mailing list. Please check and notify me of corrections to be made. Jess Williams Secy.