

6-67

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Prairie Astronomy Club June 27th 1967.
A non-profit Corporation

- Donn Baker 2616 NO 59th St
- Monte Cole 800 Eldon Drive.
- Felix Cavosio 4116 G St
- Scott Coatsworth 6019 Franklin
- Stuart Chastain 1820 SO 50th
- Wayne Balchuk 814 Eldon Dr
- H L Franey 1734 SO Cotner
- Jim-Mary Garber 2539 Kessler Blvd
- Jim Hopkins 4621 Cooper
- Dick Hartley 320 Wedgewood
- Richard Johnson 1360 Pawnee
- Kim Hobson 2223 VanDorn
- Steve Kunko 1001 No 69th St
- Earl Moser Hickman Nebr
- Prof Carrol Moore 1140 NO 79
- Philo Prell 4425 Randolph
- Thos Pansing 2033 SO 33rd St
- Kent-Steve Remmigo 6740 Francis
- Pete Schultz 2625 W Eden Drive
- Larry Stepp 910 Eldon Dr
- David Kubicek 6927 Lexington. (~~1132 Alarich Rd~~)
- Steven Everet 6720 Orchard
- Bobby Shanor 516 SO 50th St
- Jess Williams 7844 SO Sycamore Dr
- Ed Woerner 4530 Adams
- Guy Farr 1900 No 64
- Eugene Rudd 6541 Rexford Dr
- Dwaine Jaacks 3200 W Pershing Rd
- Walter Behlan 2555 Pershing Rd Columbus Nebr
- Walter Erbach 2979 Dudley
- Geo Lyberis 4515 Newton
- Bill Noel 1646 David Dr
- John Oaks 421 NO 75th
- Mrs Fred Seacrest 1230 Crestdale Rd
- Gene Robertson 5742 St Paul St
- Warner Klammer Rt 1 Seward Nebr
- Jerzy Masurak 1001 Eldon Dr
- Ray Plouzak 5015 Normal Bvd
- Mike Group 4510 E Eden Dr
- * Sky Pub Corp. Harvard College
(Cambridge Mass)
- * Review Of Pop Astro.
(Box 231 St Louis Mo)

- Laurie Edwards 5300 Fairdale Rd
- Margarete Kontras
1132 Alarich Rd.
- Gary Hageman 923 Moraine Dr

Please Check your name and address for correctness.

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Next Meeting, Tuesday Night, June 27th, 7:30 PM. Science Bldg
Nebraska Wesleyan Uni.

From what I have heard from the members who were in attendance at Wichita Kans Regional Meeting, we should have lots to talk about.

The Presidents Report. I had a nice trip and visited some Observatories. I will talk more about this at the Meeting. The highlight of the past months activities was the convention in Wichita. There were six of our Club members there for the three day meeting. I will have some of them give further reports on this convention at our meeting.

I located a 12 1/2 inch F-6 Telescope in Idaho. It is a fine instrument and our club can buy it for \$800.00. Now all we have to do is raise the money. We will discuss this at length at the tues, June 27th meeting.
Earl Moser Pres.,

I dont have to much to report in this letter, but we have plenty to talk about at the meeting.

Chas Schmidt and Steve Kunkel have several slow motion motors. several speeds. They would like to sell them.

Lets all turn out at the meeting as we are going to need help in deciding on several important Questions.

Moon Phases. Last Quarter June 29th.
 New Moon July 7th.

Did anyone be fortunate enough to see Mercury?

Meeting June 27th. You know where and Time. Refreshments.

LET'S SEE YOU EXPLAIN THIS!

TO FIGURE THE MAXIMUM DISTANCE A SATELLITE OF THE EARTH CAN BE FROM THE EARTH, FIND THE POINT WHERE THE PULL OF EARTH'S GRAVITY EQUALS THE PULL OF THE SUN'S GRAVITY. THE FORMULA IS:

$$\frac{\text{Mass of earth}}{(\text{Distance to unknown point})^2} = \frac{\text{Mass of sun}}{(\text{Distance of sun to earth})^2}$$

in numbers:

$$\frac{5.97 (10)^{27} \text{ gms.}}{X^2} = \frac{1.99 (10)^{33} \text{ gms.}}{(93 (10)^6 \text{ miles})^2}$$

$$\frac{1.732}{X} = \frac{1}{93 (10)^3 \text{ miles}}$$

$$X = 162,000 \text{ MILES.}$$

OKAY, HOW CAN THE EARTH HAVE A MOON OVER $1\frac{1}{2}$ TIMES AS FAR AWAY AS THE FIGURES SAY IS POSSIBLE? LET'S SEE HOW MANY EXPLANATIONS WE CAN HAVE BY MEETING TIME. ONE HINT - THE MATH IS CORRECT.

Ed Woerner.