

BULLETIN

OF THE
BLACK RIVER ASTRONOMICAL SOCIETY

VOL. X No. 3

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Lorain, Ohio

ANNUAL ELECTION MEETING IN AMHERST

The eleventh annual election meeting of the Society will be held Saturday, October 17, 1959 at 7:30 PM in the Community Room of the Lorain County Savings and Trust Company's building on the corner of Church St. and Cleveland Ave. in Amherst.

In addition to the four new officers to be elected six new Directors are to be chosen at this important meeting which all members are urged to attend. Four Directors whose terms expire at the close of our fiscal year are Messrs. S. Karney, J. J. Rick, A. Goldstein and G. Diedrich. Also to be replaced are Mr. H. Krieg and Dr. Ven Tresca, who have resigned from the Board.

The entertainment committee has arranged for a slide show of three dimensional pictures taken by W. A. Mason and L. Rick, to be followed by refreshments.

LIBRARIAN COMMENTS

Our Librarian J. J. Rick takes this opportunity to express his gratitude to Steve Karney for his donation of an armful of Pocket Books on the subject of astronomy and related sciences.

The Editor extends the entire Society's sincere wishes for Steve's speedy recovery from the heart ailment which has kept him confined to his bed for several months.

DETERMINING EYEPIECE F.L.

Our usual sources of information failed us on the above subject so the Old Maestro Bill Mason was consulted and he came up with the following method he attributes to the Rev. Wm. F.A. Ellison; Lay the unidentified eyepiece on a table or shelf with the axis pointing towards some prominent, well defined object, such as a window whose dimensions can be easily measured and at a distance of 15 to 20 feet. A real image of the object will be formed which can be measured by using a magnifying glass or another eyepiece of two to five power and interposing a scale, dynamometer, or calipers in the plane of the sharp image. The size of the image can readily be estimated to $\frac{1}{3}$ of $\frac{1}{64}$ inch (.005"). Divide the size of the object by the size of the image to give the power obtained with this eyepiece (considering the objective F.L. as being equal to the distance from the object to the eyepiece). Divide this "Objective" focal length by the magnification to obtain the eyepiece focal length. For example: (1) Distance object to eyepiece = 204", (2) Size of object = 10.25", (3) Size of image = .121", (4) Magnification = (2) ÷ (3) = 85. F.L. of eyepiece = (1) ÷ (4) = 2.40".

L.J.R.

PLEASE REMEMBER THAT THE ANNUAL DUES WILL BECOME DUE AT THE END OF THIS MONTH.