

3. To notify the editor and secretary of all changes of address, resignations, or persons dropped from the rolls.

4. To deposit all moneys in a checking account in the name of the National Capital Astronomers.

5. To pay all bills incurred by the MCA as follows: routine bills are paid by the treasurer under his own recognizance; other bills shall be paid after authorization by the Corporation and after being recorded by the secretary.

6. To prepare and submit for approval a statement and summary of all receipts and expenditures, after the close of the fiscal year on August 31st.

7. To maintain the following record books: journal account of all receipts and expenditures, receipt book, bank book, check book, bank statement, and annual statement and summary.

8. To dispose of obsolete papers after the annual statement and summary have been accepted and approved.

50 ASTRONOMICAL SLIDES AND PROJECTOR have been announced for sale and a committee composed of Mr. King, Major Windham, Miss Scholz, Mr. Henning, and the trustees will inspect them with the idea of buying them for the Astronomers.

NEW MEMBERS - Regular

- Comdr. S. C. Moore, 3303 Pennsylvania Ave. S.E.
- Frank E. Todd, 4613 Knox Road, College Park, Md.
- G. R. Wright, 9922 Lorain Ave., Silver Spring, Md.
- Mrs. Estelle F. Pfremmer, Room G202 Suitland Hall, 4400 Silver Hill Road S.E. (20)

Junior

- Geraldine Windham, 4885 Edgemoor Lane, Bethesda 14, Md.
- Oliver Overseth, Jr., 1309 S. Thomas St., Arlington, Va.
- Carl W. Werntz, 620 Nicholson St. N.W. (11)

\*\*\*\*\*

Secretary - Mrs. Wm. P. Harris, Jr. 4315 Chesapeake St.  
Editor - Mabel Sterns 2517 K St. N.W. (7). Di. 9422

National Capital Astronomers  
Washington, D. C.

March 1946

Vcl. 3, No. 7

\*\*\*\*\*

"WHAT WE LEARN FROM STELLAR SPECTRA" will be Dr. Allen J. Hynek's topic March 2d, 8 p.m. at the National Museum. Dr. Hynek will return this spring to Perkins Observatory of Ohio Wesleyan and Ohio State Universities, Delaware, Ohio, from which he has been on war leave at Johns Hopkins Applied Physics Laboratory in Washington. He has been on the staff at Perkins for ten years, having had his early training at Yerkes. His work has been in the field of stellar spectra, specializing in infra red spectra.

TRIP TO PHILADELPHIA MARCH 30TH

This is a preliminary announcement of our proposed trip to Cook and Flower Observatories of the University of Pennsylvania, Fels Planetarium, and Franklin Institute on March 30th. We will go by bus from Washington and the same bus will take us to all local points within Philadelphia. The cost will be about \$5. This does not include ticket to the Planetarium or meals.

We will leave here about 7 a.m. Saturday and return between 1 and 2 a.m. Sunday morning. By remaining in Philadelphia as late as 8 or 9 p.m., we hope to include some observation through the telescope in Flower Observatory. The trip will be made rain or shine. A special notice will be sent later giving particulars.

Reservations must be paid for by March 13th. None will be accepted after that date. None will be returned unless there is a waiting list or if an insufficient number registers. Money received after the

bus is fully reserved will be returned. ---Grace C. Scholz, 4335 Harrison Street N.W.; Tel. Ordway 5552.

MR. F. W. GLAZE, speaker at the last meeting, traced the development of optical glass from the ruins of Pompeii to modern optical systems of high precision.

The lecture was divided into two parts. The first, consisting of a history of the development of optical glass, showed how the discovery of new compounding materials allowed the optical designer more freedom in the design of optical instruments. The "know how" from Europe to America was also traced.

The second part was a description of the modern method of manufacture as followed by the Bureau of Standards. Slides were shown of the more important phases of the processing of the glass. Two of the difficulties in obtaining large pieces of glass suitable for optical elements are seed and striae, the first being small bubbles of gas which have been trapped, and the second, sections of the glass which are not homogeneous and have optical irregularities.

In answer to questions, Mr. Glaze thought plastics could be used in optics where it was not subject to heat or abrasion, or would not require a high index of refraction.  
---S/Sgt. Seymour Busch

#### DUTIES OF OFFICERS

The Board of Trustees has defined the duties of each officer as set forth below. It will interest all the members to know some of the details the officers are doing.

##### President

1. To preside at meetings.
2. To appoint committees; all standing committees to be appointed as soon as possible after his election; the Nominating Committee to be appointed in March, and the Auditing Committee in May.

3. To coordinate the work of the officers and committees; to be responsible for carrying out the policies of the Corporation, and to advance the welfare, progress, and usefulness of the Corporation in all possible ways.

4. To be ex officio member of all committees except the Nominating Committee.

5. To prepare an annual report.

##### Vice President

1. To preside at meetings and otherwise act for the president in the absence of the latter.

2. To maintain a current inventory of the property of the Corporation.

##### Secretary

1. To take the minutes of the meetings.

2. To handle correspondence pertaining to the business of the Corporation.

3. To write to all speakers letters of appreciation.

4. Reserve lecture room by application to the proper authority and later keep him informed of any changes of plan.

5. Order letterheads and stationery.

6. Send new officers a list of their duties.

7. Inform the bank of the election of a new treasurer.

8. Inform the editor of "Sky and Telescope" of the election of a new secretary, and of any new mailing address.

9. See that the by-laws are up to date at all times.

10. Cooperate in all possible ways with other officers and the committees.

##### Treasurer

1. To receive payments for dues, issue membership cards, credit them on the membership file, and deposit the money.

2. To notify members of dues payable, and drop their names if they fail to pay by December 1st after being notified.