secutive elections as applied to officers, and four consecutive years for a trustee. The matter will be discussed further at an early meeting.

NEW MEMBERS

John D. D'Ardelet, 2601 24th Street N.E. (13), Dc. 1230
Margaret B. Glock, 2701 14th St. N.W. Apt. 602. Co. 7400
Russell J. Hinckley, 1760 Langley Place N.W. (9).
Columbia 6458.
William E. Howard, 7101 Hampden Lane, Bethesda, Md.
Oliver 4123. (Junior member.)
Mrs. Bertha M. Hootman, 4410 River Road, N.W. Em. 0119
Paul D. Sheats, 2401 Calvert St., N.W. Columbia 4740.
(Junior member.)
Glebe 7705. (Junior member.)

OCCULTATION PREDICTIONS

Morgan Gilley

<table>
<thead>
<tr>
<th>May</th>
<th>Sat. No.</th>
<th>Magnitude</th>
<th>E.S.T.</th>
<th>Hour Angle</th>
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<tr>
<td>9</td>
<td>66 B Sgr</td>
<td>4.7</td>
<td>0:33.7 A*</td>
<td>2.7 E</td>
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<tr>
<td>25</td>
<td>46 Leo</td>
<td>5.7</td>
<td>9:24.6 F</td>
<td>3.3 W</td>
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<td>1657</td>
<td>6.7</td>
<td>7:46.6 F</td>
<td>0.8 E</td>
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<tr>
<td>30</td>
<td>48 Vir</td>
<td>6.5</td>
<td>0:27.3 A</td>
<td>4 W</td>
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*Bright edge; emersion 1:10 A. All others occur on the dark edge. These occultations visible with the 5-inch.

BESIDES VARIABLE STAR OBSERVATIONS, Carroll Slemaker has taken some good lunar photographs with his own telescope. Carl Wernitz will enter his telescope and an astronomical exhibit in the Science Fair at Commerce Auditorium May 19-23.

TELESCOPE MAKERS are increasing and we hear favorable reports of their progress.

STAR CHARTS OF THE NORTHERN HEMISPHERE are available for 10c each from Mr. Windham.

Mabel Sterns, President and Editor, 2517 K St. N.W. (7)

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STAR DUST

National Capital Astronomers
Washington, D. C.

May 1947

Vol. 4, No. 9

May

MEMORY JNOS

1 Telescope class, 7:30 p.m. room 246 McKinley High School, 2nd and T Sts. N.E. Mr. McDellan.
2 FRIDAY INSTEAD OF SATURDAY. "Light of the Night Sky," Prof. Joseph Kaplan, Director, Institute of Geophysics, University of California. 8 p.m., Commerce Department Auditorium. Election of officers.
6 Constellation study clear Tuesdays in May except the 13th, in park at 5th and Underwood Sts. N. W. If weather is doubtful, call Miss Warthen, Shepherd 9451.
8 Telescope class.
13 Open house at Mr. Hootman's observatory, 8 to 10 p.m., 4410 River Road N.W. Limited to members. Postponed to May 20 if weather is bad.
15 Telescope class.
17 Discussion group, 8 p.m. foyer of Commerce Auditorium. Miss Jewell Boling.
20 Open house, see May 13. Otherwise constellation observation.
22 Telescope class.
25 Observations of the moon and planets. Barnard Hill Park, Bunker Hill Road and 26th St. N.E. 8 to 10 p.m.
27 Constellation group.
29 Telescope class.

DATE OF THE MEETING WAS CHANGED TO FRIDAY this month to take advantage of Dr. Kaplan's presence in Washington. The enclosed circular gives full information. Business session and election of officers follow.
OPEN HOUSE AT ROTBART'S OBSERVATORY. Mr. and Mrs. David Rotbart have invited the NCA to visit their observatory Tuesday evening, May 13th, between 8 and 10 p.m. Mr. Rotbart has some unusual optical instruments, and the only amateur observatory we've heard about in the vicinity of Washington. In case of bad weather, the event will be postponed to May 20. Due to limited space, the invitation is to NCA members and applicants only. Transportation: Wisconsin Ave. streetcar to Ellicott St., walk about four blocks west to River Road.

CONSTELLATION OBSERVATIONS have been beset by weather gremlins, but the group will continue to hope for clear skies on Tuesdays. With the exception of the night at Rotbart's observatory, Miss Warthen will meet stargazers at 5th and Underwood Streets, N.W., the J-6 Takoma Park bus stop near Coolidge High School. The park across the street affords a good view of the sky.

"CELESTIAL COORDINATES IN RELATION TO THE EARTH" is the topic for discussion May 17, Miss Jewell Boling, moderator. We hope to have animated visual aids explaining arrangement and meaning of the poles, great circles, parallels, meridians, latitude, longitude, declination, zenith, nadir, and solstices.

"OBSERVATIONS ON THE MOON AND PLANETS" is the program scheduled for May 5, 8 to 10 p.m., at Barnard Hill Park, with cooperation of the National Capital Astronomers. Mr. Lyons will be chief astronomer. Anyone wishing to volunteer a telescope or just look will be welcome.

MR. AND MRS. WILLIAM P. HARRIS, JR., leave April 28 for Miami, Florida. Mr. Harris is an astrophysicist at the Astrophysical Observatory of the Smithsonian Institution and will take his post at the newly established station in Florida. Mrs. Harris is the daughter of Mr. Lyons. Both she and her husband have been members of NCA for many years.

PROPOSED OBSERVATORY AT AMERICAN UNIVERSITY. Of the 44 replies received to date from the questionnaire, 9 are in favor of an NCA observatory on American University campus, 6 said yes with qualifications, 16 are opposed, 12 made no decision, and 1 thinks the location would be inconvenient. It is planned to vote on the matter in May.

HOUSE HUNTING AGAIN. The Commerce Auditorium will not be open to us on Saturdays next fall, so we must find different quarters or change our meeting night. The search has been on for several weeks with no prospects of a place in sight. Please notify the president of any possible accommodations to investigate.


The by-laws require two candidates for each office to be nominated by the committee. The committee reports in April which allows ample time for consideration by the membership. Additional nominations may be offered from the floor in May at the time of election. "Electorates" take office in September. The lapse of time is for the purpose of organizing committees and programs for the following year to be put into effect in September.

In giving the committee report, Mrs. Windham, chairman, explained that every effort had been made to comply with the by-laws, but it was impossible to get the consent of two nominees for a few offices. This has been the case each year of the three that the rule has been in effect. Inasmuch as it has proven to be impracticable, Mrs. Windham suggested that the by-laws be modified to suit the need.

It has been proposed informally to require only one nominee and to restrict the term of office to two con-
bumped her seat. That was before 1910.

to save time, adopted one design for all her types and

as was asserted in the German press, her fabulous

the German presses, 

of the famous German presses, 

in the famous German presses, 

of the famous German presses, 

in the famous German presses.
The book should be of interest to those amateurs who are interested in the field. Beginners, therefore, may find it very useful. The book is also intended for those who are familiar with the subject and wish to learn more about it. The author has endeavored to present the material in a clear and concise manner, with an emphasis on practical applications. The book is divided into two parts: the first part covers the fundamentals of the subject, while the second part deals with more advanced topics. The book includes numerous examples and exercises to help the reader understand the concepts. It is hoped that this book will be a useful resource for students, researchers, and practitioners in the field.