

TELESCOPE MAKING CLASS returned to the machine shop at McKinley High School September 22, under the auspices of the Public Schools. As one of the staff, Mr. McLellan will continue to direct mirror grinding on Wednesday nights. The machine shop will be open to the students Monday and Thursday evenings as well.

Hopes of a popular astronomy class at Central High this year were dampened when a qualified instructor could not be found. The Public Schools cannot employ anyone already on the federal payroll. Perhaps the search will be more successful before next year.

OCCULTATION PREDICTIONS

Morgan Cilley

Oct.	Star Number	Magnitude	Immersion	H.A.
18	2501	7.5	6:30 PM EST	3 W
19	2643	6.7	6:53 PM EST	2.5 W
21	2939	7.2	10:45 PM EST	4.6 W
25	3438	7.5	9:39 PM EST	0.5 W

All occur on the dark edge. Astronomical twilight ends 17m after the occultation on Oct. 18.

THE LARGEST SEPTEMBER AUDIENCE in the society's history was in attendance to hear Dr. Irvine C. Gardner discuss the development of the astronomical telescope. It may be an indication that interest is spreading rapidly in telescope making.

THE WILLIAMS OBSERVATORY at Hood College, Frederick, Maryland, will be the objective of our visit October 25th, upon the invitation of its director, Miss Leah B. Allen. Besides the telescope, there are models of star groups, planet posts, and other material demonstrating aspects of astronomy. Notice of time, meeting point, and route will be sent to members later.

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Oct.

CALENDAR OF EVENTS

- Wednesdays, 7:37 p.m. to 9:51 p.m., room 235 McKinley High School, 2nd and T Sts. N.E. Machine shop open Mondays and Thursdays also.
- 3 Juniors' night at the 5-inch, Naval Observatory.
- 4 "Galactic and Solar Radio Waves," Grote Reber of Bureau of Standards. 8 p.m. National Museum.
- 16 Night at the NOA 5-inch, 8 p.m. Naval Obs. "Star Clusters," with Carroll Slemaker. If the sky is overcast, postponed until Oct. 17.
- 18 Discussion group, 8 p.m. foyer of Commerce Auditorium. "Basic Optics," Mr. Foster of the Weather Bureau.
- 25 Trip to Williams Observatory, Frederick, Md.

"GALACTIC AND SOLAR RADIO WAVES," Mr. Reber's subject in October, will deal with astronomical radio investigations from the discovery of Jansky in 1932 to the present time. The field of work may be divided into two parts: the radio radiation coming from the Milky Way, and the solar radiation in the radio spectrum. Consideration will be given to the astrophysical implications and matters of practical importance which the study of these radiations may reveal. He will explain the present program of the National Bureau of Standards in this direction. Mr. Reber is a radio engineer in the Experimental Ionospheric Research Section of the Central Radio Propagation Laboratory.

JUNIOR ACTIVITY ADDED. Junior night at the 5" under the direction of Carl Werntz, will be similar to the program for the other members, and augment the variable

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N.C.A. ROSTER, SEPTEMBER 18, 1947

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Assistant Editor: Jewell Boling
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 Telescope Making: Robert M. McLellan

Alston, Mrs. Ione, 20 Plattsburg Court N.W.
 Apple, Nathan, 1222 Quincy St. N.W. (11) Tel: TA-9190
 Benfer, Leroy, 6130 Montrose Rd., Cheverly, Md. WA-8360
 Boling, Jewell, 1717 P St. N.W. Tel: DU-2969
 Borresen, George, 1435 Chapin St. N.W. (9)
 Boyle, Joseph C., 16 Webb Road, Bethesda 14, Md. WI-8843
 Cilley, Morgan, U.S. Naval Observatory, 34th and Mass.
 Ave. N.W. (25)
 *Conrace, Jr., Joseph C., 927 N. Liberty St., Arlington,
 Va. Tel: CE-5376
 D'Andelet, John D., 2601 24th St. N.E. (18) DE-1230
 Davis, Mrs. Elnora B., 5 R.I. Ave. N.W. (1) DU-4382
 Delaney, Maurice S. A., 1506 Noyes Drive N.W. SH-8447
 Drayton, Jr., Charles, 2400 Wyoming Ave. N.W. NO-8890
 Frauens, Marie, 535 W. 110th St., c/o Dr. Kraff, New
 York, N. Y.

Wagner, Marion F., 1828 Park Road N.W. (10) CO-8327
 Warthen, Irene, 626 Silver Spring Ave., Silver Spring,
 Md. Tel: SH-9451
 Watkins, Howard B., 3022 Wisconsin Ave. (16) OR-0382
 *Webb, Byron Horton, 2904 Ordway Street N.W. WA-1094
 *Weinfeld, Arthur, 3409 Columbia Pike, Arlington, Va.
 Tel: GL-7705
 Werntz, Carl W., 620 Nicholson St. N.W. (11) GE-7971
 Willis, Philip A., 2912 Fort Baker Drive S.E. (20)
 Tel: TR-2586
 Windham, Mr. and Mrs. Ray K., 4885 Edgemoor Lane,
 Bethesda 14, Md. Tel: WI-6342
 Woolard, Edgar W., 1232 30th St. N.W. (7) Tel: MI-8287
 Wright, G. R., 9922 Lorain Ave., Silver Spring, Md.
 Young, Samuel R., 1530 16th St. N.W. (6) Apt. 607
 Tel: MI-6565

* Indicates junior member.

NEW MEMBERS in September were Robert V. Harrison and Byron Horton Webb. Edwin C. Johnson and Franklin Kral are with us again after a long absence. Charles R. Roelofs and Carl W. Werntz are reclassified as regular members.

"AN INTRODUCTION TO THE STUDY OF ECLIPSING VARIABLES" by Zdenek Kopal, a Harvard Monograph, is of interest to those who enjoy mathematics sufficiently to go into the solution of this interesting problem. The subject was outlined by Dr. Sitterly last season in his lecture before the N.C.A., entitled "Demon Stars." The monograph is an historical sketch, mostly, not a treatise. Light curves on which the calculations are based can be had from the Harvard College Observatory.

---Morgan Cilley

(Junior Activity continued) star observations. The juniors have displayed some fine photographs of the sun, moon, and planets taken recently.

Junior dues are now \$1.50 a year in accordance with the by-law as amended September 6.

*Gehrels, Ernst, 3422 Reservoir Road N.W. (7) NO-9594
*Gilbert, Walter, 2220 N. Quantico St., Arlington, Va.
Tel: CH-5061
Gilchrist, Raleigh, 4939 30th Place N.W. (8) WO-7852
Glock, Margaret B., 2701 14th St. N.W. Apt. 602
Tel: CO-7400
Harris, Dorothy F., 1621 T St. N.W. Apt. 810 (9)
Tel: DU-4200
Harrison, Robert V., 1212 Potomac Ave. S.E. FR-4749
Hellweg, J. F., 3901 Connecticut Ave. N.W. (9)
Henning, Eugene S., 205 N. Edison St., Arlington, Va.
Tel: CH-7464
Herreshoff, Clarence DeW., 3726 Connecticut Ave. N.W.
(8) Tel: EM-0992
Heyl, Paul R., 2800 Ontario Road N.W. (9) Tel: AD-4842
Hinckley, Russell J., 1760 Lanier Place N.W. (9) Tel:
CO-6458
*Holloway, John Leith, Jr., S 1/C (AETM) 797-90-94 Bar-
racks 3 N.A.T.T.C., Ward Island, Corpus Christi, Tex.
*Howard, William E., 7101 Hampden Lane, Bethesda, Md.
Tel: OL-4123
Jinkins, E. F., 2817 23rd St. N., Arlington, Virginia
Tel: OX-0287
Johnson, Edwin C., 327 Mansion Drive, Alexandria, Va.
Tel: Overlook 1528
Johnson, Lyle T., Box 187 La Plata, Md. Tel: La Plata
4081
Kemmerer, Charles T., 2817 Northampton St. N.W. (15)
Tel: WO-0181
King, Mr. and Mrs. Benjamin, Westchester Apartments
743-B Tel: EM-7663
Koetz, Katherine, 1828 Park Road N.W. (10) CO-8327
Kral, Franklin, 111 E. Greenway Blvd., Falls Church,
Va. Tel: AX-3386
Kummell, Frederick A., 6244 Eastern Ave. N.E. (11)
Tel: GE-4487
Lamore, Dorothea E., 4709 Guilford Ave., College Park,
Md. Tel: WA-8510
Levin, Isadore, 5814 3rd St. N.W. (11) Tel: RA-1040
Little, Charles A., 1808 W St. S.E. (20) Tel: TR-5919
Luther, Mrs. Barbara M., 1018 18th St. N.W. NA-2123
Luther, Lloyd S., 1018 18th St. N.W. Tel: NA-2123

Lyons, U. S., 5511 Worthington Drive, West Haven 16,
Md. Tel: OL-3919

Masters, Ralph C., 1549 17th St. N., Arlington, Va.
Tel: GL-0378

*Maurice, Simon, 1432 Oak St. N.W. (10)

May, Franklin H., 201 Baltimore Ave., Takoma Park 12,
Md. Tel: SL-1837

McLellan, Robert Ashley, 5300 W St. S.E. (19) HI-5150

McLellan, Robert M., 5300 W St. S.E. (19) HI-5150

Moncure, Mrs. Olga S., 3500 14th St. N.W. CO-3600

Moore, Mrs. Grace C., 1326 19th St. N.W. Tel: DU-9349

Morrow, Martha G., 1914 Conn. Ave. N.W. (9) DU-3982

North, Lloyd, 161 Darrington St. S.W. (20)

Perkins, Janet, 2141 I St. N.W. (7) RE-7676 Ext. 610

Peterson, Clarence A., 4845 V St. N.W. (7) Tel: WO-2614

Pfremmer, Mrs. Estelle Florence, 805 Dayton Ave., Apt. 2,
St. Paul 4, Minn.

Plachy, George V., 8604 76th St., Woodhaven 21, New York

*Regan, Jack, 930 Madison St. N.W. (11) Tel: GE-1170

Robbins, Paul, 831 Marietta Place N.W. Tel: GE-4608

Robinson, Abraham, 7019 Georgia Ave. N.W. GE-4322

Roelofs, Charles R., 513 N. Garfield St., Arlington, Va.
Tel: CH-1513

Rotbart, Mrs. Bertha M., 4410 River Road N.W. EM-0119

Rotbart, David, 4410 River Road N.W. Tel: EM-0119

Scholz, Grace C., 4335 Harrison St. N.W. (15) OR-5552

St. John, Richard, 6811 9th St. N.W. (11) RA-4560

Schroeder, William H., 3618 Conn. Ave. N.W. EM-7768

Scott, Leo W., 5013 Wakefield Road, Green Acres, Md.
P.O.: Friendship Station 16, D.C. Tel: OL-5013

*Scott, Thomas M., 3318 17th St. N.E. (18) NO-6947

*Sheats, Paul D., 2401 Calvert St. N.W. Tel: CO-4740

Simpson, Philip A., 1316 Gallatin St. N.W. (11) RA-8972

Skirm, George L., 4304 Brandywine St. N.W. (16) WO-1216

Slemaker, Jr., Carroll S., 3807 Minnesota Ave. N.E. (19)

Smith, Edwin V., 325 5th St. S.E. (3) Tel: FR-1465

Sperka, Viola, 3007 S. Buchanan St., Arlington, Va.

Stanton, E. C., 4815 Battery Lane, Bethesda 14, Md.
Tel: WI-2307

Sterns, Mabel, 2517 K St. N.W. (7) Tel: DI-9422

Stewart, Martha F., 1473 Irving St. N.W. (10) Apt. 36

Swarthout, Gerald, 2659 Conn. Ave. N.W. Tel: CO-1563

von Numers, Sigurd, 1371 Kalmia Road N.W. RA-1114