

NEW MEMBERS

Andrews, Alan C., 2138 Calif. St. N.W. #410 (8) DE-3046
Cressy, Thelma A., 2127 Calif. St. N.W. #502 HO-2993
Jones, Mr. and Mrs. Edward H., 1611 31st St. N.W. (7)
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CARROLL SLEMAKER BECOMES HONORARY LIFE MEMBER. Motion was passed to bestow life membership upon Carroll Sle- maker for his services to the society. He has been cred- ited with 360 observations of variable stars during 1947- 48, and 16 occultations; his astronomical photographs taken with cameras of his own making, attached to the 5- and 12-inch refractors, have won favorable comment; NCAs have admired his skill in manipulating telescopes and have been indebted to him for locating difficult celestial objects. "These activities have been an in- spiration to others engaging in astronomical pursuits either of an amateur character or an exploratory nature in the case of those younger members investigating career interests."

PLEASE REGISTER AT THE 5-INCH. A book has been placed in our building at the Naval Observatory and it is re- quested that everyone register. This includes the person who obtains the key, NCA members, and all visitors. At present no one knows how many visit the 5". We feel that this information will be beneficial in planning scheduled observation sessions and in making other future plans for the NCA. Please comply with this request.

MR. DELANEY USED AN ARMPFUL OF MAPS in discussion group to illustrate six classifications: planometric, topo- graphic, hydrographic, aeronautical, military, miscel- laneous. Each type may be subdivided into seven groups. He also explained the projections most frequently used-- Mercator, Lambert conformal, polar, gnomonic, ortho- graphic, orthomorphic, polyconic, stereographic, and azimuthal equidistant. Measurements are based on those first established by astronomers.

Mabel Sterns, editor, 2517 K Street N.W. (7) DI-9422

STAR DUST

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WHAT TO DO

- 6 *The Greenhouse Effect on Planetary Temperatures," Clay P. Butler, 8:15 p.m. Commerce Auditorium.
- 12 Instruction night at the 5-inch; Carl Werntz.
- 20 Astronomical hobby show, foyer of Commerce Audi- torium.
- 23 Senior observing at the 5-inch; Carl Werntz.
- 26 (27) Junior night at the 5-inch; John Lankford.

Telescope making class Mondays and Thursdays 8 to 10 p.m., 505 Morse Street N.E.

MR. CLAY P. BUTLER, Physicist, Naval Research Labor- atory, will discuss the heat budget of the earth and its atmosphere, the "black sphere" temperatures of the planets and the effect of their atmospheres in absorb- ing the planet's long-wave radiation. Prior to his association with NRL, Mr. Butler was with the Astro- physical Observatory of the Smithsonian Institution as Director of the Montezuma (Chile) Observatory, and of the Table Mountain Observatory in California.

FIVE-INCH INSTRUCTION NIGHT. There have been a con- siderable number of requests by various NCA members to have their names added to the list of those entitled to obtain the key in order to use our telescope at the Naval Observatory. We are having an instruction night Friday, November 12, to acquaint those interested in the proper use and care of our telescope and the build- ing at the Naval Observatory. It will be necessary further to demonstrate to Mr. Lyons your ability to handle the telescope properly before your name is added.

THIRD ASTRONOMICAL HOBBY SHOW Saturday evening, November 20, Commerce foyer. Bring those items you did not exhibit in the earlier shows--photographs and slides you took yourself or collected, rare books, new telescopes, drawings, meteorites, gadgets, and inventions; computations, observation logs, and diagrams. If possible, notify Miss Scholz in advance what you expect to show, in order to boost **publicity**.

"WOULD YOU LIKE TO KNOW MORE ABOUT THE STARS?" This little folder was prepared by Grace Scholz, Publicity Chairman, as a means of informing those interested in studying astronomy, of the existence of NCA. Please give the enclosed copy to one of your friends. Get more if you need them, from Miss Scholz or Miss Perkins.

AMONG THE MIRROR GRINDERS. Mr. Alan Andrews has joined the NCA and the mirror grinding class, working on a 6" mirror. Mr. S. P. Young has ground down about .039 on his 12" blank. He has an especially large barrel rigged to hold the tool, and a similar setup at home to keep occupied during leisure time. Mr. Jenkins has fixed another test rack for rough testing while the Foucault test bench is in use. He also has provided the classroom with a blackboard for chalk talks.

The 6" belonging to Col. E. F. Reed and his son, Andrew, is the farthest along of the mirrors started in the present class. Theirs and Mr. Norment's mirrors are getting a lot of attention from those interested in the fine points of the Foucault test. Mr. Evans has made numerous drawings showing the condition of the mirrors at various stages.

There is still room for several more members; if you are interested, now is the time to join. While the class is primarily for NCAs, we want a total of 20 and therefore after November 1 will open the class to anyone. Miss Irene Warthen, supervisor, Shepard 9451.

REGIONAL COUNCIL MEETING October 16th drew Messrs. LeRoy and Scanlon from Pittsburgh; Bailey; Philadelphia; Cox, Hustead, Miss Fazekas of Norfolk, NCA representatives.

HERE AND THERE IN NCA
Jewell Boling

Sigurd von Numers now has over 800 books in his international astronomical library. English, Swedish, German, French, Finnish, and Russian language publications are included. He is busy working on the annotated card index and getting framed some new photographs recently received from Mount Wilson Observatory.

Lloyd North reports some especially fine observing of Andromeda and the Milky Way in the dark, country skies about 150 miles to the south. He is now looking for some spots around Washington, accessible by carline, offering reasonably dark skies.

John Edmonds is writing a paper on observing sunspots. Donald Miller is writing a book on general astronomy, drawing charts and diagrams of the constellations, observing double stars, and making meteor counts. John Lankford is making a survey of the northern circumpolar region with the 5-inch refractor and also carrying out a program of observing planets, nebulae, and star clusters.

Ray and Blanche Windham have been concerned with roses almost to the neglect of the stars recently, preparing for the annual rose show of the Potomac Rose Society.

Leon Lewis is spending his evenings at McKinley High School learning to operate the big milling machine preparatory to machining the mount for the 8-inch mirror he ground during the summer. He promises "an unveiling shortly after the election."

Mabel Sterns and Jewell Boling have been receiving instruction from Morgan Gilley in the techniques of variable star observing. Carl Wernitz is devoting most of his time to variables. Leo Carroll is observing sunspots, binaries, multiples, and variables with emphasis on the irregular variables.

BY WAY OF INTRODUCTION. This is the hope will be a long line of "Junior Ste the younger members of the NCA. It is to bi-monthly report of what the NCA juniors what they hope to accomplish. All comment tions from either Junior or Regular member welcomed.

THE NEXT JUNIOR NIGHT will be Friday, with Saturday, the 27th, as alternate. Jc will be in charge and the topic will be "The basic theme for the 1948-49 year will stellations and the telescope. Some const will be on the program each junior night t those who are interested.

WHAT TO OBSERVE TELESCOPICALLY AND OF November. During this month all of t Jupiter are to be seen in the morning sky.

which can be found in the southwest in the sets around midnight. For owners of teles planet with its four satellites makes a wo A little after midnight the ringed pl rises in the constellation Leo.

Both Mercury and Venus rise in the ea hours just before sunrise.

This month there will be two new moon 1st (the new moon for November), the other (December's new moon). The moon is half f and the 16th is the date of the full moon.

On November 15 we can expect the mete called the Leonids, because the radiant po the sickle of Leo.

east before sunrise.

The half-moon this month comes on the moon on the 16th, and new moon on the 30th. For those interested in meteor observ. Geminids will be visible around the 12th o:

--John J

OCTOBER JUNIOR NIGHT was very clear, 1 Juniors showed up (John Lankford, John Edm Davis, Everett Schwartzman, and Judy and M We studied the north sky and the surface of moon. Let's try to have a larger attendan November meeting. We need the participati junior member to make the junior program a

--John J

CARROLL SLEMAKER, who recently moved : was awarded an honorary life membership in last month's meeting. All those junior me will agree that he deserved it. By the wa friends who may wish to get in touch with l address is: 1445 Main Street, Jacksonvill

WILL ANY JUNIORS who are taking obser have astronomical projects under way get in some member of the junior committee? This members with projects still in the plannin would like to know about what our members want to do, so that descriptions of their may be included in future editions of Junic

Leo Carroll, Editor. 2013 New Hampshire
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