

MD-DC JUNIORS

"Mr. Leith Holloway presented a talk on "The Inner Solar System" to the Maryland-DC Juniors on a snowy January 16. He emphasized the various tools used to study the three planets covered, and the vast gaps in our study of these relatively near-by objects.

With film sales continuing, another Project World Night--larger in scope--under way, and private correspondence under way regarding the provisions to be made for Juniors at the Baltimore convention, the Md-DC group is progressing in all the fields it set out to last September.

In addition, all DC and Montgomery County junior and senior high schools are getting announcements of our lectures, and the lecture schedule itself is filling. Mr. Ellis Marshall, former NCA vice-president, will present the March talk, while a surprise speaker will appear at the February 13 meeting. All Md-DC Juniors should attend the February talk, since the future activities of the club will be discussed."

Norman Sperling,  
MD-DC Junior Editor

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PRINCE GEORGES' JUNIORS

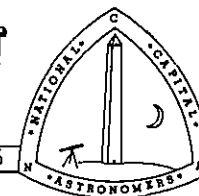
The Prince Georges' Junior Group is growing fast. It has more than doubled. Because of our growth we hope to be more active.

Our first project will be an astro-camera. One thing that we lack is a film holder. If you have an old film holder of any size that you otherwise wouldn't use, we would appreciate having it.

Thanks, Rusty King  
P.G. Junior Editor

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# ★ STARDUST



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## GEOLOGICAL INTERPRETATION OF THE LUNAR SURFACE FEATURES



Winifred Cameron

On February 6, the NCA will hear Mrs. Winifred Cameron of NASA speak on the lunar surface. She has written several papers on astronomical subjects including, "Evidence from the moon's surface features for the production of lunar granites", Icarus, 1962 and "An interpretation of Schroter's Valley and other lunar rills.", Journal of Geophysical Research, 1964.

Mrs. Cameron obtained her B.E. degree from Northern Illinois University, an M.A. degree from Indiana University, and has done some further graduate work at Georgetown University. She was an instructor of astronomy at Mount Holyoke College in 1950-51 and

did research principally on the sun at the U. S. Naval Observatory from 1951 to 1958. She resigned from the Naval Observatory to accompany her astronomer husband, Robert C. Cameron, to South Africa while he directed the Johannesburg Satellite Tracking Station from 1958 to 1959 for the Smithsonian Astrophysical Observatory.

Continued Page 2 -

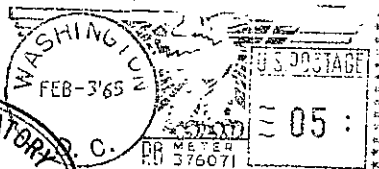
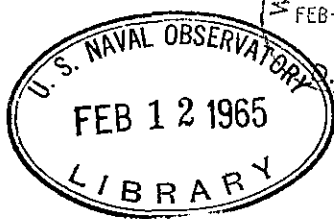
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### CALENDAR

- February 6 Winifred Cameron of NASA will speak to NCA on "Geological Interpretation of the Lunar Surface," in the Commerce Department Auditorium at 8:15 P.M. Business meeting follows. Anyone interested in having dinner with the speaker at the Occidental Restaurant, 1411 Pennsylvania Ave., N.W. at 6:15 PM please phone Mr. Hank Hudson, Vice-President, (534-8378) before noon February 6 as reservations have to be made.
- 6 Junior Division Special Meeting at 7:00 P.M. in Room 2062 at the Department of Commerce.
- 13 MD-DC Juniors Meeting at 2:00 P.M. in the Silver Spring Library. Program to be announced. Call Leith Holloway (362-1961) for details.
- 14 Prince Georges' County Juniors Meeting at 2:00 P.M. at the home of Ted Noble (Ludlow 2-6721)
- 15 Astronomy Class at the U. S. Naval Observatory conducted by John and Ellen Stolarik, at 8:15 P.M. Topic will be the moon. No meeting on Washington's Birthday, the next session will be March 1.
- 20 NCA Discussion Group. everyone invited. This is a small informal group, try to attend. Commerce Department room 2062 at 8:15 P.M.

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★ STARDUST



Library,  
Naval Observatory  
Washington 25, D.C.

CALENDAR - Continued

- February 26 Observing at the Five Inch on the grounds of the U. S. Naval Observatory with Larry White from 8:00 to 10:00 P.M.  
 2,9,16, 23 Telescope Making Glass at the Chevy Chase Community Center with Hoy Walls from 7:30 to 10:00 P.M.  
 5,12,19,26 Advanced Telescope Making Glass at the Chevy Chase Community Center with Hoy Walls from 7:30 to 10:00 P.M.

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Continued from Page 1 -- Upon returning to the United States, she and her husband both joined the National Aeronautics and Space Administration at the Goddard Space Flight Center, in the Theoretical Division. Her work has been chiefly on interpretation of lunar surface features, but she has also been associated with the Mercury Program. In the latter program, she was on base at the Cape for Glenn's and Carpenter's missions, and engaged in analysing and reporting, in collaboration with the astronauts and others on the astronauts' astronomical observations.

The Camerons have two daughters; Selene Jean, named for the moon, and Sheri Carina, named for the constellation Carina as she was born in South Africa.

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JANUARY LECTURE -- THE WASHINGTON PLANETARIUM AND SPACE CENTER

Plans for the Nation's Capital's first major planetarium are progressing very well according to our January speaker, Dr. Marjorie Gardner of Maryland University, who is a member of the Planetarium Committee headed by Dr. Edward Teller and Father Francis Heyden. Our five-million-dollar planetarium and space center with its auditorium seating 1,000 persons will be situated on Danger Field Island, a promontory on the western bank of the Potomac River just south of National Airport. Its 85-foot-dome will make it the largest in the world exceeding the diameter of the Hayden Planetarium dome in New York by ten feet and the one in Moscow by three feet.

The planetarium projector has not yet been selected nor have plans for the building been finalized, but the facility will certainly contain several lecture rooms, a telescope-making shop, and photo lab, and perhaps a library, snack bar, and observing platform for telescopes in addition to the planetarium auditorium. The star projector will be installed in such a way that it may be lowered from the planetarium chamber to make room for a cloud projector so as to convert the auditorium into an atmospherium similar to the one at the University of Arizona.

The approximate date of the opening of this great astronomical educational center in our city is still in doubt, but Dr. Gardner assured us that her committee is working very hard to make this as soon as possible.

Leith Holloway

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NCA SCIENCE FAIR AWARDS ----- PREPARATIONS

Senior NCA members will be needed to judge at the area Science Fairs in Prince Georges' County, Montgomery County, Maryland, Washington, D. C., Fairfax, and Arlington, Virginia. Mrs. Eleanor Smith, Science Fair Chairman has all information and instructions for volunteers. This is a very important project of NCA, please volunteer your services by sending your name and phone number to: Eleanor Smith, 11824 Farmland Drive, Rockville, Md.

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THANKS FOR BACK ISSUES OF STARDUST

With the splendid cooperation of NCA members, we have made great strides in collecting Star Dust for future generations. Only the following issues are still needed to complete the years from 1950 through 1964:

1950 - March is needed	1961 - January and March issues
1952 - October	1963 - October
1953 - December	1964 - April

The issues before 1950 are in great need. We have only March 1947 in the years prior to 1950. Please help to furnish this historical part of the collection so that these issues may be bound in book form.

Phone Ted Noble (LU 2-6721) to pick up any issues you may have that would complete this file, or bring them to the regular or discussion group meetings. Do not mail them as they may be lost or mutilated in the mails. Thank you.

Ted Noble,  
Secretary

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REPORT ON NCA JUNIOR TREASURIES

The Executive Board of NCA was instructed last April to make a decision on the status of Junior NCA treasuries. The Executive Board met on Dec. 13, 1964 to finish the assigned work of deciding on the most efficient method of handling these monies under the law. The following is the full report of the Executive Board with regard to the Junior funds.

1. - There will be a \$25.00 expense account for the Junior Division as a whole.
2. - Each Junior group may have a treasury of up to \$20.00.
3. - All Junior Treasurers' books are to be submitted for the annual audit by June 30 of each year.
4. - All money in excess of the \$20.00 mentioned in item 2, above, is to become part of the general treasury of the NCA.
5. - The funds mentioned in item 2 above are not to be placed in any bank account but are to remain as petty cash.
6. - Financial supervision of all Junior groups is the responsibility of the Director of the Junior Division.
7. - All funds for special projects may be requested in writing from the Trustees through the Director of the Junior Division.

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NOTE FOR PROSPECTIVE TELESCOPE MAKERS

This is a good time to get started on grinding your own mirror for a telescope. There is no formal lecturing, the classes are workshops, manned by NCA volunteers. It is fun and also a rewarding experience. Father and son teams are welcomed, this can be a family project. Get started in February and finish by June. If you are in a mood to grind, phone Mr. Hoy Walls, 652-5395 and get further information.

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ATTENTION SHUTTERBUGS... HELP

Do you have any old camera parts around? If so, the Prince Georges' County Jr. group would certainly appreciate it if you could donate or sell any camera backs, plate holders, filmholders, roll film backs, and ground glass that you may have and don't need. They are building an astro-camera that, when finished, will be available for use by the whole club! Phone Ted Noble (582-6721), Geoffrey Hornsath (894-9465), or John Stott for further information.

Geoffrey Hornsath