

FELS PLANETARIUM TRIP, SATURDAY, DECEMBER 8th

Plans are being made for the December 8th, Saturday, bus trip to the Franklin Institute and Fels Planetarium at Philadelphia, Penna.

Transportation and entrance to the Franklin Institute and Fels Planetarium will be \$5.50 each if we fill a 49-passenger bus (Gray Lines) and \$6.00 each if we fill only a 41-passenger bus. The trip will not be made unless all seats are paid for by the close of the NCA's business meeting on December 1st.

The bus will load in the parking lot across the street from the main entrance to the Department of Commerce. The parking lot will be a good place to park your car during the day. It will cost only \$1.35 for all day and you can lock your car.

Time schedule for the Day:

- Leave Washington 8:00 a.m. - be on time - no waiting!
- Arrive Planetarium 11:00 a.m. - Franklin Institute and Fels Planetarium till closing time, 5:00 p.m.
- Leave Fels Planetarium 5:15 p.m. - will stop for dinner on the way home.
- Arrive Washington 10:30 p.m.

The \$5.50 or \$6.00 fee includes transportation fare to and from Philadelphia and your entrance to the Institute and Planetarium. All other expenses, including food, must be paid by the person making the trip. All Juniors must have a parent or guardian sign the notice below. It should be presented along with your money to G. R. Wright - make checks payable to NCA. For any further information call Bob Wright EV 4-6748.

\*\*\*\*\*

My permission is granted for \_\_\_\_\_ to make the Fels Planetarium Trip with the NCA on Saturday, December 8, 1962.

Signed \_\_\_\_\_

DECEMBER 1962

Vol. XI No. 2

TOPOGRAPHIC MAPPING OF THE MOON



The advent of the space age has brought forth new requirements which are rapidly expanding man's scientific and technical horizons in a most challenging fashion. With the placing of manned satellites into space has come the solemn realization that man himself will soon be a passenger, on a flight to another heavenly body; namely, the moon.

Albert Nowicki, Chief of the Department of Cartography for the Army Map Service, in a paper, supplemented by slides and visual aids, will describe the steps being taken to prepare maps and auxiliary data on the moon.

To keep pace with the steps being taken to land space ships on the moon, the Army Map Service, Corps of Engineers, U.S. Army, initiated a program of preparing a series of topographic maps of the visible surface of the moon. Subsequently, additional requirements for certain maps and auxiliary aids of proposed landing sites were received from the National Aeronautical Space Agency.

Albert L. Nowicki received his C. E. Degree in 1930 from Marquette University, and his M.S.C.E. from the University of Minnesota in 1932. He also studied at the International Training Center of Aerial Survey, Delft, Holland, in 1953.

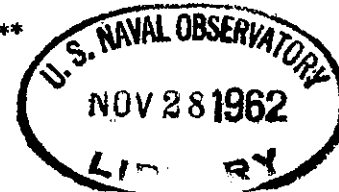
Mr. Nowicki served as a Lt. Colonel, Corps of Engineers Reserve. In World War II he was Topographic and Geodetic Staff Officer in the African and European theaters.

His experience includes eight years of teaching Advanced Surveying, Photogrammetry, Water Supply, Water Power and Route Surveys at the University of Minnesota and Marquette University. With T.V.A. for four years, he handled Aerial Mapping, Hydraulic Design, Engineering and Personnel. He has been with the Army Map Service since 1945 and his present position is Chief, Department of Cartography.

Among his published works are articles in Photogrammetric Engineering, chapters in the Manual of Photogrammetry and a Correspondence Course Manual in Photogrammetry.

He is a member of the American Congress of Surveying and Mapping, The American Society of Photogrammetry, and is President of Commission II, International Society of Photogrammetry for 1960-1964. He is listed in Who's Who in Engineering and Who's Who in American Education.

\*\*\*\*\*  
\*\*\*\*



## CALENDAR FOR DECEMBER

- 1 TOPOGRAPHIC MAPPING OF THE MOON by Albert Nowicki at the Dept. of Commerce Auditorium 8:15 P.M. Business meeting after the lecture. Dinner with the speaker at 6:15 for reservations phone RE 6-4321.
- 8 TRIP TO FRANKLIN INSTITUTE IN PHILADELPHIA see article for details.
- 15 DISCUSSION GROUP How to use the Graphic Time Table of the Heavens, Dept. of Commerce, Room 1851 at 8:15. Larry White will lead the discussion group.
- 4,11 TELESCOPE MAKING CLASS at the Chevy Chase Community Center & 18 with Hoy Walls 7:30 to 10:00 PM.
- 7,14 Maksutov Club at the Chevy Chase Community Center with Hoy 21,28 Walls 7:30 to 10:00 PM.

\*\*\*\*\*

## INTERESTED IN REVIEWING ASTRONOMY ????

All N.C. A. members are eligible to attend the Astronomy Review Course now being planned by the Educational Committee. Members are invited to lecture on their special field in astronomy and/or join the class. Several topics were suggested at the November meeting, such as: Radio Astronomy, Finding Constellations, Sky Areas to Observe, Variable Stars, Meteor Observing, Managing a Telescope, Observing Asteroids, etc.

Twenty members have already expressed a desire to join the class and ten members have offered to speak at a class session. If you are interested in joining the review class or are willing to speak to the group, please contact the President, Ellen Stolarik, at RE 6-4321 or Mrs. Margaret K. Noble, Educational Committee Chairman at the December N.C.A. meeting. The date, time and place of the first class session will be announced at the December N.C.A. meeting.

Each class session will include a lecture-demonstration-discussion period plus real sky observing. The class will also be invited to the DC Public School Planetarium at the Cardozo High School, and to the N.C.A. five inch telescope at the Naval Observatory.

Your cooperation and participation is needed to make this practical review course a lively, interesting, and stimulating experience. We hope that you will join.

Margaret K. Noble,  
Education Committee

\*\*\*\*\*

## TRIP TO DAVIS PLANETARIUM BALTIMORE

The trip to the Davis planetarium of the Maryland Academy of Science in the Enoch Pratt Library took place on Thursday evening November 8th. Thirteen NCA members and friends made the trip. Those who arrived early enjoyed the exhibits of the Academy. They saw the famous Moon Globes mentioned by our October speaker, Mr. Benton, and also a display of one of his larger Moon Globes. At 8:00 PM they saw two of the National Academy of Science Planet Earth Films, The Force of Gravity and The Inconstant Air. The Planetarium show at 9:00 was given by Mr. Paul Watson, Curator of Astronomy for the Maryland Academy of Sciences. He welcomed

the NCA visitors and remarked that it had been some time since we had visited the Davis Planetarium. Mr. Watson has given over five thousand planetarium lectures using one of the earliest (fourth or fifth unit sold) Spitz Planetariums. (The NCA has also visited the first Spitz Planetarium at the Eastern Memmonite College at Harrisonburg, Virginia.) Those making the trip were Ken Ritvo, Tom Archer, Mrs. Margaret Noble, Mrs. Kunza, Henry Wilson, Fred Cornelius, Charles Cook, Mrs. Ellen Stolarik, Robert Idan, Mr. & Mrs. H. C. Thom and daughter Georgia, and Bob Wright.

Bob Wright

\*\*\*\*\*  
\*\*\*\*\*

## MD--DC JUNIORS

On November 10th there were 9 members present at the Chevy Chase Community Center to take part in a discussion of the Earth led by Norm Sperling and a discussion of asteroids, meteors, and comets led by Bob Holland. These discussions finished our series of discussions about the solar system. The last half of the meeting was taken up by Leith Holloway's comments and suggestions on asteroid tracking, our club project.

Next month we plan to participate in the NCA's trip to Fels Planetarium rather than holding a regular meeting.

Ernest Goodwin, MD--DC Junior Editor

\*\*\*\*\*

## NEW MEMBERS

## REGULAR

Cook, Charles D.  
2605 N. Lexington St.  
Arlington 7, Va.  
536-7374

Jenny, Albert, II  
535 Beall Ave.  
Rockville, Md.  
PO 2-0678

## JUNIOR MEMBERS

Tuberville, Frank B., Jr.  
6003 Brandon Ave.  
Springfield, Va.  
354-6917

Teague, Karen G.  
1440 Kennedy St., N.W.  
Washington 11, D.C.  
882-7183

Gould, George E.  
5827 24th Ave.  
Hillcrest Heights 21, Md.  
RE 5-8126

Chuenprasit, Somboonsub, (Sam)  
4916 44th St. N.W.  
Washington 16, D.C.  
KE 7-1034

\*\*\*\*\*  
\*\*\*\*\*