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 $6.50 each if we fill a 49-passenger bus (Gray Lines) and $6.00 each if we fill only a 42-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 $1.50 for all day and you can lock your car.

Time schedule for the trip:

Arrive Washington 8:00 a.m. - be on time - no waiting!

Leave Washington 10:30 a.m. - will stop for dinner on the way home.

Arrive Philadelphia 11:00 a.m. - Franklin Institute and Fels Planetarium till closing time, 5:00 p.m.

Leave Fels Planetarium 6:15 p.m. - will stop for dinner.

Arrive Philadelphia 8:00 p.m.

The $6.50 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. H. Wright - make checks payable to NCA. For any further information call Bob Wright 4-6746.

My permission is granted for

signed

to make the Fels Planetarium Trip with the NCA on Saturday, December 8, 1962.

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TOPOGRAPHIC MAPPING OF THE MOON

The advent of the space age has brought forth new requirements which are in no way experimental in the scientific and technical horizons in a most challenging fashion. With the placing of manned satellites into space has come the realization that man himself will soon be a passenger in 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 taken to prepare maps and auxiliary data on the moon.

To keep pace with the phases of 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 data of proposed landing sites were received from the National Aeronautical Space Agency.

Albert L. Nowicki received his C.E. degree in 1950 from Marquette University, and his M.S.C.E. from the University of Minnesota in 1952. He also studied at the International Training Center of Aerial Survey, Whittlesey, England, in 1962.

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 the A.W.A. for four years, he handled aerial mapping, hydraulic design, engineering, and personnel research. 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 Society of Surveying and Mapping, the American Society of photogrammetry, and the President of the American 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 6-4261.

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 185 at 6:15. Larry White will lead the discussion group.

4, 11 TELESCOPIC MAPPING CLASS at the Chevy Chase Community Center & 18 with Hoy Walls.

7, 14 Makeutov Club at the Chevy Chase Community Center with Hoy Walls 7:50 to 10:00 P.M.

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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 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 6-4261 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 D.C. Public School Planetarium at the Caruso 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, Educational Committee

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TRIP TO DAVIS PLANETARIUM BALTIMORES

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 N.C.A. 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. Bentont, 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 N.C.A. 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 N.C.A. has also visited the first Spitz Planetarium at the Eastern Mennonite College at Harrisonburg, Virginia.) Those making the trip were Ken Aitko, Tom Archer, Mrs. Margaret Noble, Mrs. Emuns, Henry Wilson, Fred Cornelius, Charles Cook, Mrs. Ellen Stolarik, Robert Jones, Mrs. & Mrs. H. C. Thom and daughter Georgia, and Bob Wright.

*** Bob Wright

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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 N.C.A.'s trip to Fels Planetarium rather than holding a regular meeting.

Ernest Goodwin, MD-DC Junior Editor

NEW MEMBERS

REGULAR

Jenny, Albert, II 555 Beall Ave.
Cook, Charles D. Rockville, Md. 20 2-0678
2606 N. Lexington St. Arlington, Va. 526-7374
Arlington 7, Va.

JUNIOR MEMBERS

Tabernacle, Frank B., Jr. Topeka, Kans. 3-6003 Kennedy St., N.W.
6025 Brandon Ave. Springfield, Va. 364-5917
Washington 11, D.C. 882-7182

Gould, George E. Chuenprasit, Somboonchub, (Sam) 4916 44th St., N.W.
5887 34th Ave. Washington 16, D.C.
Hillcrest Heights 21, Md. 5816 ER 7-1084

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