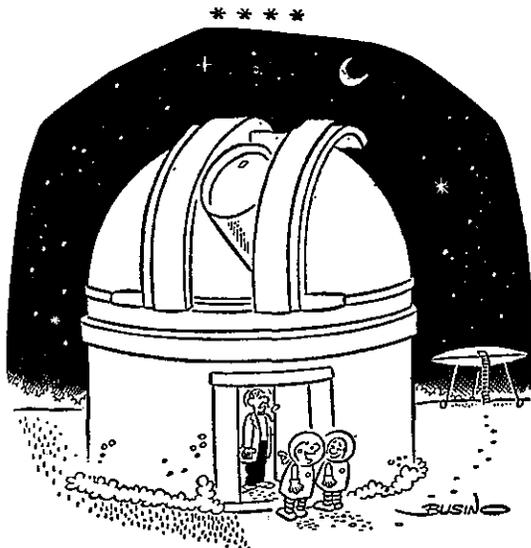


VIRGINIA JUNIORS

The Virginia Juniors have recently started a research and development project. Their aim is to compile a "Book of the Sky" that would contain drawings, statistical information, a list of problems, directions for observing, and general descriptions of various astronomical objects. The following committee chairman approved: Eddie Lusby -- Mars, Venus, and Mercury, Jim Grant -- Jupiter and Saturn, Barry Sperling -- Stars, Nova, etc., Chris Harvel -- Sun, Visionally, Fred Sumner -- Sun, Telescopically, Barry Sperling -- Lunar, June LoGuirato -- Meteors, James Baker -- Aurora, Arthur Neuendorffer -- Asteroids, George LoGuirato -- Radio Astronomy, Norman Sperling -- Satellites.

The Virginia Juniors are most anxious to welcome any new members to their group. There are many Junior members in Virginia who have not attended one of our meetings, who would find our group most interesting, we hope. Anyhow, we would love your participation -- so mark the 13th and 27th on your calendars.



BOYS' LIFE

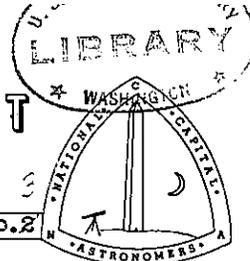
"It's him all right. I'd recognize that eye anywhere."

* STAR DUST



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November 1959

Vol. XVII, No. 2

EXPLORING THE MOON SUBJECT OF NOTED GEOLOGIST'S SPEECH



DR. JACK GREEN

Dr. Jack Green, a geologist of the Missile Division of North American Aviation Corporation, will speak to the NCA on Nov. 7th on "Geochemical Aspects of Lunar Exploration". With Russian and American moon shots in the news recently, the subject of the surface of the moon is a timely one. Dr. Green will discuss the results of his research into the kind of surface materials the first astronauts to land on the moon can expect to encounter. His talk will be illustrated with slides showing many telescopic views of lunar landscapes.

Dr. Green obtained a BS in geology from V.P.I. in 1950 and a Ph.D. from Columbia in 1953. Before going to North American, he worked for the California Research Corp., the California Co., and the United States Atomic Energy Commission.

TO REMEMBER IN NOVEMBER

- OCT. 31 - OBSERVING AT THE 5" - 7:30 PM at the Naval Observatory. Bring your membership card.
- NOV. 1 - EXPLORING THE SKY 7:00 Ft. Reno Park., 40th & Chesapeake Sts., NW. Bring telescopes and cameras.
- 2,9,16,23,30 - TELESCOPE MAKING CLASS 7:30-10, Chevy Chase Community Bldg. 5601 Conn. Av. Hoy Walls, Instructor.
- TELESCOPE MAKING CLASS AT BLADENSBURG HS - Call Bill Isherwood, AP7-9419 for meeting dates.
- 6,13,20,27 - TELESCOPE MAKING CLASS - 7:30 PM, Fairfax High School Grady Whitney, Instructor.
- 6 - OBSERVING AT THE 5" - 7:30 PM at the Naval Observatory with Larry White. NCA card will admit you. Meteor shower possibly visible.
- 7 - "GEOCHEMICAL ASPECTS OF LUNAR EXPLORATIONS" - Dr. Jack Green. Meeting follows at Dept. of Comm. Aud. 8:15 PM
- 13,27 - VIRGINIA JUNIORS MEETING at Westover Baptist Church, 1125 N. Patrick Henry Dr., Arl., Va. Room 234, 8PM
- 14 - MD-DC JUNIORS MEETING 2:30 PM Chevy Chase Comm. Bldg., 5601 Conn. Av. Leith Holloway, Director.
- 21 - DISCUSSION GROUP 8 PM - Dept. of Comm. Audit. -Astronomical questions answered by a panel of experts.

"The innocent moon, which nothing does but shine,
Moves all the laboring surges of the world."

Frances Thompson

BILL LIPSCOMB ILL

Members of the NCA will be sad to hear of the sudden death of the father of Bill Lipscomb, our treasurer. Bill rushed to his father in New Orleans and, to make matters worse, worried himself right into a hospital. Betty is down there with him trying to straighten matters out. We hope they will both be back with us soon. Incidentally, because of Bill's illness, the membership cards will naturally be delayed in getting to renewed and new members, so don't worry if you have not received yours.

NEW MEMBERS
OCTOBER

<u>Regular</u>			
Thomas M. Fahy	7821 Stratford Rd., Beth., Md.	OL 4-0972	
H. Harrison Hemenway	1926 So. Quincy St., Arl., Va.	JA 4-0623	
James A. Miers	11217 Mitscher St., Kens., Md.	WH 6-3239	
Charles H. Morton	3019 Oliver St., N. W.	EM 3-8485	
Vlastimir A. Stevovich	4200 Cathedral Ave., N. W.	EM 2-4131	
Harvey Telmar	2209 South 26th St., Arl., Va.	OT 4-5992	

<u>Juniors</u>			
Bob Bergseth	1013 No. Larrimore St., Arl.	JE 2-5526	
Paul D. Hemenway	1926 So. Quincy St., Arl., Va.	JA 4-0623	

SEPTEMBER

<u>Regular</u>			
Marvin E. Bishop	1029 Reynolds St., Falls Church	Je 4-6613	
Horace A. Bowman & son	2619 Newton St., Silver Springs	NH 2-2794	
Bernard L. Geddry	2629 Nicholson St., W. Hyatts.	WA 7-5609	
Morris Gerson	5105 Saratoga Ave., Wash, DC	OL 2-3925	
Terrell L. Holliday	5450 Newton St., Hyatts., MD	UN 4-2548	
Theodore L. Lockhart	6829 Murrayhill Dr., Wash., DC	CH 8-7232	

<u>Juniors</u>			
James Baker	6301 15th Rd., N. Arl., Va.	JE 4-1895	
Stephen Gamble Bacon	1711 Corwin Dr., Silver Springs	JU 8-4521	
Steven M. Klein	5900 32nd St., N. W.	WO 6-6937	

LUNAR OCCULTATIONS

Date	Star	Mag.	Phase	Age	Time (E.S.T.)	Angle
Nov.5	BD-17°5699f	7.1	D	5.1	8:42.7 PM	11°
	8 BD-8°5873	6.9	D	8.2	11:10.3 PM	23°
	9 293B.Agr	5.6	D	9.2	11:01.4 PM	7°
	10 71 B.Psc	7.0	D	10.1	7:13.5 PM	60°
	13 X1 Ari	5.5	D	13.2	9:00.4 PM	126°
18-19	26 Gem	5.1	R	18.4	5:37.9 AM	279°
22-23	83 B Leo	5.9	R	22.4	1:18.4 AM	243°

IN THESE HANDS

The NCA has often, during the past years, had various erratic and spasmodic eruptions of active Juniors. A group will flare up and then silently disappear. Interest in astronomy has, however, brought busy minds flocking to our doors for guidance. Juniors make up almost half of our group and are increasing much faster than the Senior Memberships. If we can excite a little more imagination; if we can direct anxious minds in the right direction; if we can meet this challenge and thus realize the vital part the NCA can have in Tomorrow -- perhaps more in this way than in any other way -- this group has more than justified its reason for being.

JUNIORS -- that strange problem age to parents, teachers and anything they touch, fill the world they live in with their eager, crazy, inquisitive chatter and enthusiasm and pranks. Somehow, in four to six years, these same Juniors, will find many of the answers they so earnestly search for today and, incredibly, in that length of time will become scientists as they graduate from Harvard and Yale and Maryland and M.I.T. Do say of you doubt that one of our Juniors may someday be active in a Lunar Astronomical Club???

WORLD NIGHT, 1959

This summer the NCJA initiated, led and did most of the work for WORLD NIGHT, 1959, a program which coordinated the efforts of groups in Seattle, Tulsa, Joplin, England and Washington, D. C. World Nights were held June 26-28, July 10-12, July 31-August 2, and August 21-23.

Two photographs and 34 drawings were made of Venus. The Ashen Light, a phenomenon appearing similar to the "new moon in the old moon's arms", was seen on June 28 and August 3. In addition, rim lighting was noticed on June 28 and August 1.

Fifty-seven drawings were made of Jupiter. Those drawn using Kodak-Wratten filter 64 (green) showed far more detail than was seen in white light, indicating that many of the markings occur near the edge of the atmosphere.

Ninety-two drawings were made of Saturn, including five intensity estimates (one of which was drawn using the green filter) and thirteen drawings made through filters of varying colors. Here also the green filter showed the most detail. Seven of these drawings were made with the 26" refractor at the U.S. Naval Observatory, 52 (or 57%) of the drawings were done at the 5" refractor of the NCA.

Meteors were observed on June 28-29, on the mornings of Aug. 1, 2, and 3, and on the evening of Aug. 1. On the 3rd seventy-four meteors were seen in two hours; the radiant appeared to be in Cygnus. This radiant is confirmed by observations made on Aug. 1 and 2, with observations both in Washington and New Hampshire. (Note: Please send any observations you may have made on one of these nights to Stephan Klingelhofer or Samuel Friedman.)

Observations were also made of Mercury (one drawing) and the sun (8 drawings).

In conclusion, World Night, 1959, was very successful, in spite of poor weather about half the time, and we hope that World Night, 1960, will be even better.

----Samuel Friedman, Chairman,
World Night, 1959

Bob Milkey joined the NCA in Jan., 1958. In April of the same year, he was elected Chairman of the Md. - D.C. Jrs. and became Chairman of the NCA Jrs. in January, 1959. He is a junior at ECC High where he is in the band. Outside of astronomy, he is the most interested in Civil Air Patrol and hopes to get his pilot's license in January. He has a 6" reflector which he uses for photography and drawing which are his main astronomical interests. He also enjoys football, politics and astronautics.



BOB MILKEY

Michael Mattingly joined the NCA in June, 1957 after which his astronomical interests broadened from the reading stage into the active one. He has a 3" reflector and uses the NCA 5". Since the Jrs. became active in Dec., '57 he has been the secretary of the Md.-D.C. region and secretary of the whole group since January, 1959. He has also served, at various times, as Lunar, Jupiter, Saturn and Venus project head. He is a junior at Archbishop Carroll High and is in debating there. Other interests of his are science in general, politics, and astronautics, and he has an insatiable passion for writing science-fiction.



MIKE MATTINGLY



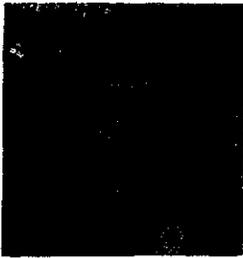
BARRY SPERLING

"I think that I can place a date on the start of my interest in astronomy. At the tender age of 13, my father showed me an ad for a 3" reflector. The impulsive side of me took over and I soon found myself the owner of a small telescope and a large imagination." Barry Sperling joined the NCA a year later and in Jan. of '59 he reorganized and became president of the Va. Jrs. Through the help of a "Martian Flying Saucer" they obtained a sponsor, Salome Betts. In spite of his scientific ability (his Science Fair project won at three Fairs before it went to the State Fair) Barry's ambition is to go into journalism.



JUNE LOGUIRATO

June LoGuirato is the only active female member amongst the Jrs. She is a sophomore at Fairfax H.S. where she is interested in all fields of science. She also plays in the school band. Her interest in astronomy started 2 or 3 years ago and, following a Ft. Reno Park program in 1957, she and her father joined the NCA. When she heard about the Va. Jrs. she immediately joined and became the secretary and SIARDUSI correspondent. Her great thrill is the telescope which she and her father bought a year ago. She is most anxious to become a professional astronomer.



ROY TROXEL

Roy joined the NCA in 1956 and in Sept., 1957 became coordinator of the Jr. section. His interests, aside from astronomy, are world politics, art, astronautics, and science-fiction. He has been the head of the Mars project and is now head of the Jupiter project. Roy plans to go to MIT and major in engineering - or, to be exact, rocketry. At present, he is a sophomore at Georgetown Prep, is an artist for the school magazine, and his favorite subjects are Greek and Math. Roy is also Chairman of the MD-DC region.



DANA GRIFFEN

Dana Griffen is a Jr. at the Walter Johnson H. S. in Bethesda, where he plays J.V. football and is a member of the Varsity wrestling team. His interest in astronomy and space travel began when he was in 4th grade. In the 7th grade he helped organize the Astronomy Club in North Bethesda Jr. H.S., and was elected its president. In April of this year, he joined the NCA as a Jr. member. Later, at a meeting of the MD-DC Jrs., he was elected to the position as Coordinator of the MD-DC region. In addition, he is Vice-President of the Youth Fellowship of the First Baptist Church of Bethesda.

Sam joined the NCA in 1952. He became interested in astronomy after a trip to the Hayden Planetarium. Sam is a senior at Woodrow Wilson. His other interests are world politics, atomic warfare, chess, philosophy, astronautics and science-fiction. He is known in the group for his comments on the ways of the world and "cogite ergo sum". He has also been the head of the World Night, the Mercury, Saturn, Solar Cepheid, and Satellite-observing Projects. Sam plans to go to Harvard next year and major in astronomy or mathematics. He is Data-Keeper of the MD-DC region.



SAM FRIEDMAN

Steve joined the NCA in 1954 and has been an active member in group functions since then. He, like the rest of the active juniors, is an avid science-fiction fiend and also shares a great interest in world politics. But the most outstanding factor of his personality is his desire to become a diplomat, and, because of this, he is famous for his handshaking and the phrase: "Hello. I'm Stephan Klingelhofer." Steve is a senior at Landon, has hopes of going to Yale and is affectionately known to the group as "Klod".



STEVE KLINGELHOFER