

# CALENDAR

September 6th, 6:15 P.M. Dinner with the speaker at Bassins, 14th and Pa. Avenue N.W. No reservations are necessary. For information call Bill Winkler, 736-3553.

8:15 P.M. September meeting at the Department of Commerce Auditorium, 14th and E Street N.W. Speaker: Mr. Otto E. Berg

September 20th: 8:15 P.M. Discussion Group, room #2062, Department of Commerce, 14th and E. Street, N.W. "Astronomical Happenings - - Summer 1969". All who attended the numerous amateur conventions, from June on, or who had the opportunity to observe under different skies or unusual conditions, are especially urged to share the experience with others at this meeting. A slide projector will be available.

September 12th: Observing at the Five Inch at the Naval Observatory with Larry White. Mr. White may be contacted at 461-9681. 9:00 p.m.

September 5th: 12th, 19th, 26th: Telescope making classes at the Pallsades Community Center supervised by Jerry Schnall.  
Home: EM 2-8872 Office: 577-3144

September 2nd: 9th, 16th, 23rd, 30th: Telescope making classes at the Materials Center in Bladensburg, Maryland, supervised by Ted Noble.  
Home phone: 779-7946

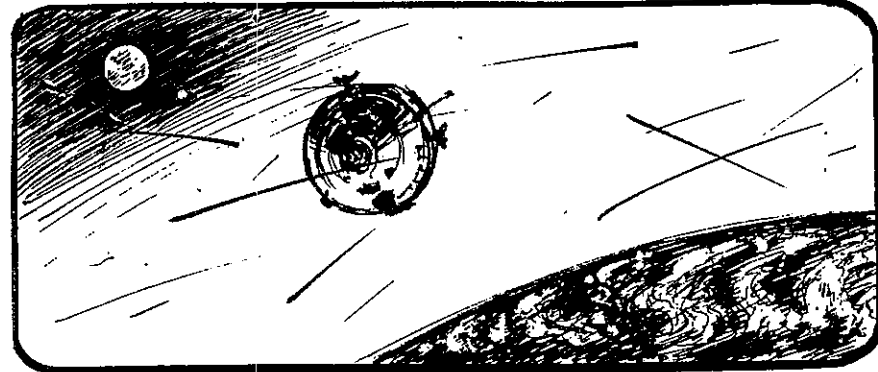
We have been notified that Dr. Edwin C. Johnson of Alexandria, Virginia, passed away on April 18th of this year. Dr. Johnson had been a member of the NCA for many years prior to this and was known by many of us.

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1969

# STAR DUST



SEPTEMBER, 1969: VOL. XXVII: NO. 1



## Otto E. Berg To Present Talk on Micrometeorites

Our speaker this month has a wide background in physical studies based on space probes, dating from the early days of research, using Viking rockets. Associated with the Naval Research Laboratories until 1958, Mr. Berg perfected some of the first rocket-borne instruments for measuring cosmic dust, noctilucent clouds and high-altitude density. His cameras took the first complete color photographs of a hurricane from a rocket in 1954, a picture on permanent display in the Smithsonian Institute. During his career with Goddard, Mr. Berg has been the principal investigator of the cosmic dust experiments on the Pioneer satellites, the latest of which was due for launching on August 27th. He is a senior scientist in the Laboratory of Theoretical Studies.

Mr. Berg will discuss our present knowledge of micrometeorite distribution in space: how it is acquired -- its relevance to manned space flight -- what it tells us about cosmology -- at the September meeting; a subject which has particular interest to those of us who have had some experience in attempting to collect this material at ground level.

BILL WINKLER, V.P.

### OFFICIAL NOTICE

COPIES OF THE CONSTITUTION AND BY-LAWS WILL BE MAILED TO ALL MEMBERS. ADDITIONAL COPIES WILL BE AVAILABLE AT THE SEPTEMBER MEETING FOR DISCUSSION. FACILITIES WILL BE AVAILABLE TO VOTE BY SEALED BALLOT AT THIS TIME; HOWEVER, SHOULD YOU NOT BE ABLE TO ATTEND, MAIL-IN VOTES WILL BE ACCEPTED ON THE PROPER BALLOTS (MAILED WITH THE COPIES OF THE CONSTITUTION AND BY-LAWS) PROVIDED THEY ARE RECEIVED WITHIN THE REQUIRED PERIOD OF TIME.

GEORGE GOULD, President, NCA

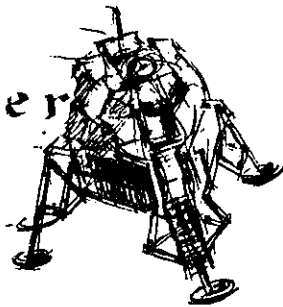
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George J. Gould; Astronomical League of Wash., Inc.

STAR DUST

Library,  
Naval Observatory  
Washington 25, D.C.

# SPACE corner



## A Salute To Apollo 11

After the magnificent Apollo 11 achievement, what can we say that wouldn't be anticlimactic except to add our congratulations to the skilled and daring astronauts and to all the people at NASA and thanks for a job excellently done; also, best wishes for the future missions! And we wish to thank those at the top who backed the Apollo program from the beginning: ex-Presidents Kennedy and Johnson (and... the Soviet Union for the extra incentive through competition).

DN

## Dial A Space Report

As you may know, the Smithsonian Institute has a space recording you can dial on the telephone: 737-8855. The latest number of known orbiting objects is given, along with any other pertinent information, such as the latest NASA venture, meteor showers, planets visible in this area, etc. The message changes daily.

DN

## Astrogeology Pamphlet Issued

The U.S. Department of the Interior, Geological Survey, has issued a sixteen page pamphlet, 3½" by 9", on Astrogeology, Geologic Research in Space. It contains numerous pictures; photographs and brief articles on the moon, moon mapping and surveying, geologic training of the astronauts, tektites, crater investigations, etc. It is available in limited quantities from the department. Write the Director, Geological Survey, Washington, D.C. 20240.

DN

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Along a similar vein—free literature—the Eastman Kodak Co. has available, for the asking, several pamphlets on astrophotography and the photography of eclipses. These are: "Lunar-Eclipse Photography (AM-18)", "Astrophotography With Your Camera" (AC-20) and "Solar Eclipse Photography for the Amateur (AM-10)". These can be obtained by writing to the Consumer Markets Division, Eastman Kodak Company, Rochester, N.Y. 14650. If anyone is interested, I will have copies available at the September meeting.

JK

## NEW MEMBERS

### JUNIOR MEMBERS

Geoffrey E. Forden, 7402 Glenside Drive, Takoma Park, Md. 20012, Home ST3-6840

Eddy Kemon, 3308 Pocomoke Street, Arlington, Va. 22207, Home 538-4193

Earl M. Radoane, 915 Patton Drive, Silver Spring, Md. 20901, Home 434-0443

## Regional League Meeting Visited

During the latter part of June, Bob Wright, George Gould, Sheila Duck and myself travelled North to the Regional Astronomical League meeting at Bethlehem, Pennsylvania. We were hosted by the Lehigh Valley Astronomical Society. Their hospitality was excellent. Though I arrived later in the evening (during the middle of their planned demonstration), I was quite impressed by their facilities and the vigorous participation of their members. The center of the evening's demonstration was a planetarium built and owned by the club and numerous examples of astrophotography by the members. In addition to the planetarium, the building was used to house audiovisual educational facilities, a library and an optical and mechanical workshop. The next day's program at the hotel consisted of scientific papers, the first being given by our president, on his controversial geometry. The evening was occupied by the traditional dinner. The following morning the group took a short excursion to the club's newly acquired observatory site. The site was being prepared for use by individuals with portable equipment as well as constructing a permanent observatory for a 16½ mirror to accompany a 12½ mirror which was donated with the site. We hope that all had a pleasant summer and are looking forward to the new season with vigor and enthusiasm. As an added note, I would like to remind all concerned that the absolute deadline for the "STAR DUST", henceforth, will be on the 15th of the month and that any copy received by either David Nordin or myself after that date will not be included till the following month!

John Lequwik

## Treasurer's Report

May, 1969

Income	Outgo
Dues.....\$ 23.75	Star Dust.....\$ 7.14
Book Sales.....\$ 21.50	Sky and Telescope.....\$ 7.99
Observ. Hdbk.....\$ 2.00	Speakers Dinner.....\$ 3.00
Junior Bus Trip.....\$263.50	Books-to be sold.....\$ 8.40
Total Income.....\$310.75	Postal Deposit.....\$ 15.00
	Observ. Comm.
Balance 4/30/69.....\$513.69	Eyepiece.....\$ 23.95
Total.....\$824.44	Finder.....\$ 19.95
Less Outgo, May 69....\$274.83	Record Amended Articles
Balance 5/31/69.....\$549.61	of Incorporation.....\$ 12.00
	Junior Bus Trip.....\$177.40
	Total Outgo.....\$274.83

June, 1969

Dues.....\$36.00	Star Dust.....\$25.76
Obs. Handbook.....\$ 0.75	Sky and Telescope.....\$ 4.00
Timetables.....\$ 0.50	Speakers Dinner.....\$ 4.68
Book Sales.....\$ 3.00	Books to be sold.....\$ 7.60
Total In, June 69....\$40.25	Total Outgo, June 69.....\$42.04
Balance 6/1/69.....\$549.61	
Total.....\$589.86	
Less Outgo.....\$ 42.04	
Balance 6/30/69.....\$547.82	

JERRY SCHNALL

### REGULAR MEMBERS

Francis O. Allen, P.O. Box 156, Sandy Spring, Md. 20860, Home 924-3957  
Office OX2-5512

James George Xidon, 932 S. Fairfax Street, Alexandria, Va. 22314,  
Home 683-2375