

JUNE - JULY, 1976
Number 12

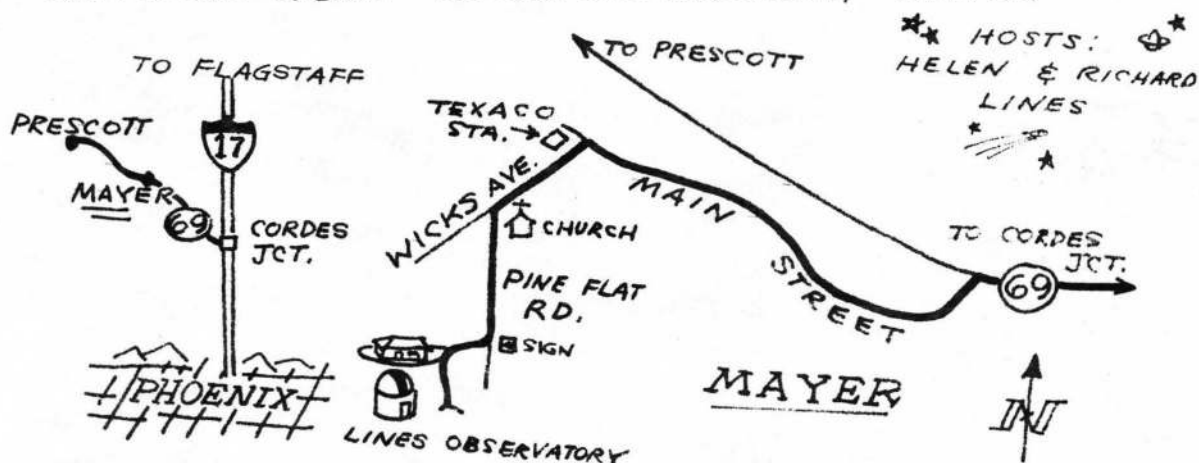


SKY-LINES

phoenix astronomical society, inc.

★ SUMMER 'STAR PARTIES' ★ JUNE AND JULY

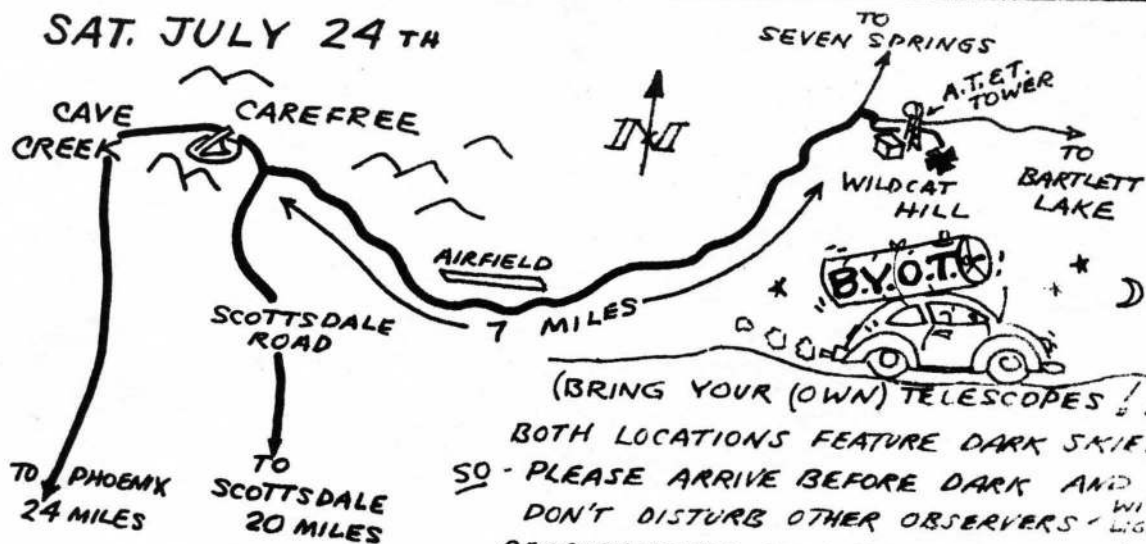
SAT. JUNE 26TH - LINES OBSERVATORY, MAYER



★★ HOSTS: ★
HELEN & RICHARD
LINES
★ ★ ★

CALL LOUIS BOYD (275-8258) FOR INFORMATION.

SAT. JULY 24TH



(BRING YOUR (OWN) TELESCOPES !)

BOTH LOCATIONS FEATURE DARK SKIES...
SO - PLEASE ARRIVE BEFORE DARK AND
DON'T DISTURB OTHER OBSERVERS - WITH
REFRESHMENTS WILL BE PROVIDED!

Friday evening, June 18th, four members of the Phoenix Astronomical Society presented a slide show and observing session for the public in cooperation with the Phoenix Parks and Recreation Department.

Ed Coughlin, Recreation Specialist in charge of the "Summer Under The Stars" programs estimated the crowd at North Mountain Park was slightly over 400 people.

The program featured observing with telescopes provided by Louis Boyd, Tom Muggleton, and Ken Sikes and an astronomical slide show and constellation identification presented by Gene Lucas.

Once again held over the Memorial Day weekend, this year's Amateur Telescope Makers' Conference at Big Bear Lake, California, sparkled with three nights of crystal clear observing at the 7300 foot high mountain camp.

Over 200 amateur astronomers from all over the southwest attended the meeting sponsored by the Riverside Astronomical Society, bringing 112 telescopes of all sizes and kinds, mostly amateur built.

A dozen Merit Awards were presented to the proud owners of the telescopes judged to have outstanding mechanical and optical qualities.

Among the interesting talks this year was that presented by Ben Mayer of the Polaris Observatory Association describing his automatic recording tracking camera and projection blink comparator. With this apparatus Mr. Mayer became the first person to record a complete sequence of photographs of a nova on the rise (Nova Cygni 1975).

Mr. Mayer very movingly and candidly described his remarkable good fortune in obtaining the photographs.

\$\$\$\$ ALLOCATED TO 24" TELESCOPE
PROJECT - COMMITTEES TO ACTIVATE

At the last meeting of the 1975-6 season May 27th, newly-installed President Bill Anderson and Vice President Ken Sikes requested and received authorization from the membership to transfer up to \$600 from the regular funds of the Society to the 24" Telescope Building Fund when needed to procure a small building for use as shelter for the 24" telescope mounting and workspace after a site for the telescope is selected.

The amount of money to be spent will be decided by the Board of Directors, and any funds transferred to the Building Fund will be replaced at a later date.

In the weeks since the meeting, Ken Sikes has been tabulating the results of a questionnaire mailed to all members; so far only 32 answers have been received.

New activity committees are being

 SKY - LINES

Published monthly except July by:
PHOENIX ASTRONOMICAL SOCIETY, INC.
Phoenix, Arizona. A non-profit,
educational and scientific corporation.
Mailing address: Chuck
Nash, Secretary, 2736 West Rose
Lane, Phoenix, Arizona 85017.

1976 - 77 OFFICERS

President..... Bill Anderson
(943-2697)
Vice President.. Kenneth Sikes
(942-1136)
Secretary- Chuck Nash
Treasurer.. (242-1581)

Editor..... Gene Lucas
(934-1889)
Assoc. Editor... Cliff Vaughan
(838-7107)

Opinions and views expressed in
SKY-LINES are those of the writer
and not necessarily that of the
Phoenix Astronomical Society, Inc.
or its officers.

DEEP SKY OBJECTS " From My Little Black Book "

Part One - Summer Objects By Helen Lines

Tired of looking at the same old Messier objects? Why not try something different for a change....? If you have never seen some of the objects listed below you may find them interesting. You can see all of them with an 8 inch telescope and some even with a 3 inch. I've included a few of my notes just to help you on the way and show you what to look for ...

Object	Position	Notes
NGC 4038 NGC 4039	11h59m -18°35'	A small pair of galaxies, possibly colliding. A very different object.
NGC 4565	12h34m +26°16'	This is the largest-appearing edgewise spiral galaxy. A beauty!
NGC 5128	13h22m -42°45'	A 3 inch telescope will show this galaxy - an 8 inch shows the dark lane across the center <u>plainly</u> . Very interesting.
NGC 5139	13h24m -47°03'	This is the beautiful globular cluster <u>Omega Centauri</u> . Catch it as soon as it's dark and it can be seen in binoculars. An 8 in. 'scope resolves the stars to its center. A must for beginner <u>or</u> experienced observer!
NGC 5986	15h43m -37°37'	Another globular cluster that resolves to its center, with a <u>very bright</u> star on its edge.
NGC 6210	16h43m +23°53'	A turquoise color planetary nebula.
NGC 6229	16h46m +47°37'	A small globular cluster that resembles a spiral.
NGC 6231	16h51m -41°43'	A galactic star cluster. Especially beautiful in binoculars.
NGC 6309	17h11m -12°51'	My notes say, "This is odd looking; a star in front and the planetary is <u>long</u> ."
NGC 6302	17h11m -37°03'	The <u>Bug</u> nebula - that's its' real name, and it does look just like a little bug with a short tail - gotta see that!
NGC 6543	17h59m +66°38'	This small planetary is very bright, but keep looking at it until you see its helical shape.
NGC 6572	18h10m +06°50'	A bluish planetary nebula.
NGC 6729	18h58m -37°02'	A diffuse nebula that is shaped like a small comet. Don't be surprised if you don't find it the first time because its brightness is variable. I've seen it several times in our 8 inch reflector.

COMMITTEEScontinued from page two.

New activity committees are being formed around the subjects mentioned in the questionnaire; Ken Sikes will be contacting those members who responded and indicated interest in participating. He will be asking members to serve as chairmen of the committees and hopes to get them organized and functioning later this summer.

All the committees are open to additional members who have not yet sent in their questionnaires; if you would like to participate in any of the group's activities, please call Ken Sikes at 942-1136 and discuss your interests.



* & * **SKY-ADS**

P.A.S. members may list telescopes, optical equipment, books, charts, & other astronomical material FREE up to three lines per issue. Sorry, NO commercial listings accepted.

12 INCH TELESCOPE KIT - 12" Pyrex blank, plate glass tool and abrasives, a 1/20 wave diagonal mirror, and a 72" length of Sonotube, all for \$90. Call PAUL MAXSON at 943-8862.

10" PYREX telescope mirror, focal length 84 inches (f:8.4). \$85. or will trade. Call KEN SIKES at 942-1136.

EXCELLENT OBSERVING SITE - 5.8 acres 10 miles SE of Flagstaff. Dark skies, private road & gate, utilities, meadow with trees. Call C.F. CAPEN at 774-3758 evenings for details.

PHOENIX ASTRONOMICAL SOCIETY, INC.
CHUCK NASH, SECRETARY
2736 West Rose Lane
Phoenix, Arizona 85017
(242-1581)

FIRST CLASS MAIL