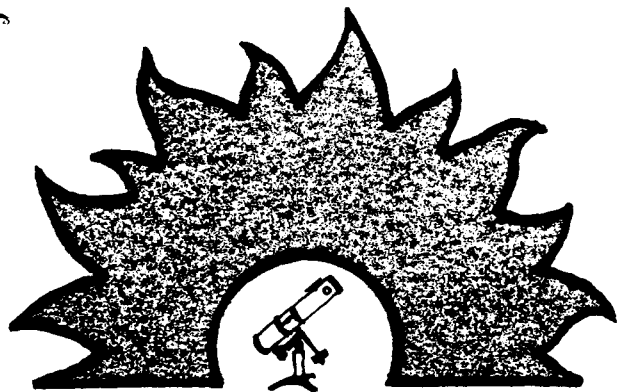




S E P T E M B E R

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# PASTIMES

PHOENIX ASTRONOMICAL SOCIETY -- FOUNDED 1948

SPECIAL \*\*\* SEPTEMBER MEETING \*\*\* SPECIAL \*\*\* SEPTEMBER MEETING \*\*\* SPECIAL

Our first meeting of '86-'87 will be held on Friday, September 26, 1986 at Arizona State University's Physical Science "F" Wing -- Room 123. (See map on back of newsletter for specific directions.) The meeting will begin at 7:00 p.m. which is earlier than our usual meeting time.

We are very pleased to announce that our guest speaker for the evening will be Dr. Susan Wyckoff of A.S.U.'s department of physics and coordinator of the Halley Watch Team. Her topic will be, what else, "A Halley Wrap-up". Come find out what all the world discovered about Halley on this time around.

## NOTES FROM OUR SECRETARY

Welcome back from summer vacation! Our usual 3 month hiatus was preceeded by a fine May meeting. Our thanks go to **John Winters**, professor of astronomy at Glendale Community College for speaking to our group on "Radio Astronomy". His discourse included slides from Palomar and The Very Large Array comparing optical and radio astronomy.

The meeting was rounded out with **Richard Wasson** and **Jerry Maurer** sharing their Riverside Telescope Makers' Conference experiences and purchases with us. Thanks, guys!

And thanks again to member **Robert Hurley** for his legal help with the club's annual Corporation Commission report.

Our club's funds now total out at a healthy \$2829.65 but a big chunk (\$250) will have to be paid out for this year's liability insurance premium unless we can come up with a new meeting place (i.e. restaurant, etc.) that has its own

## ALL ARIZONA STAR PARTY

PAS just received its formal invitation to this year's All Arizona Star Party to be held on October 4, 1986. Like last year, the Tucson Amateur Astronomy Association will be sponsoring the event. TAAA's prime sky location is the Empire Ranch, a few miles north of Sonoita, Arizona (see map and directions). At an elevation of 5000' this is some of the prettiest ranch land in the state so don't be afraid to arrive in daylight -- enjoy the scenery. There are no facilities there and camping is not permitted, but there will be plenty of dark til the wee hours. And please, remember these star party rules: **No pollution allowed!**

1. Light pollution -- open fires, lighters, backup lights, etc.
2. Dust and smoke pollution
3. Noise pollution
4. Litter, including cigarette butts

Use common courtesy and please, leave only at designated times.

Notes -- continued

liability insurance. Any member who may have an idea on this should call our president, Bill Krist at 254-4057. We are also looking at a probable increase for facilities use at Phoenix College. Combined with our insurance cost, the average meeting will run us about \$40.00.

-- Harold Moorin

Editor's Note: We were notified over the summer that due to health reasons, Harold Moorin will have to step down from his position as our secretary/treasurer. He has done a super job for us this past year and we hope he gets back to 100% soon. Thanks, Harold! In the meantime we are in need of a replacement in that capacity for the next nine months. Any volunteers? C'mon, now is the time to get involved and really help your club out. Harold has fine tuned the job to a simple format of record keeping and note taking, and the other board members are very supportive of this role. Please call Bill Krist at 254-4057 if you are interested or want more information.

**SOMBER ANNOUNCEMENTS**

This summer PAS lost two fine gentlemen and fellow astronomers.

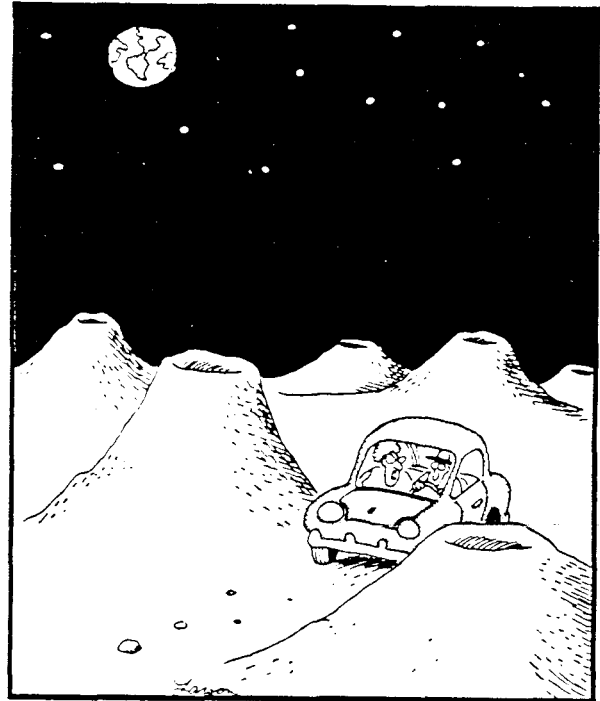
Howard W. Shoun was a long time member, and our thoughts and prayers go out to his wife, Mrs. Mary Jane Shoun.

Charles Capen from Lowell Observatory passed away in August. A long time astronomer and contributor to PAS, we enjoyed his lectures and tours of the big scope at Flagstaff.

Both will be missed.

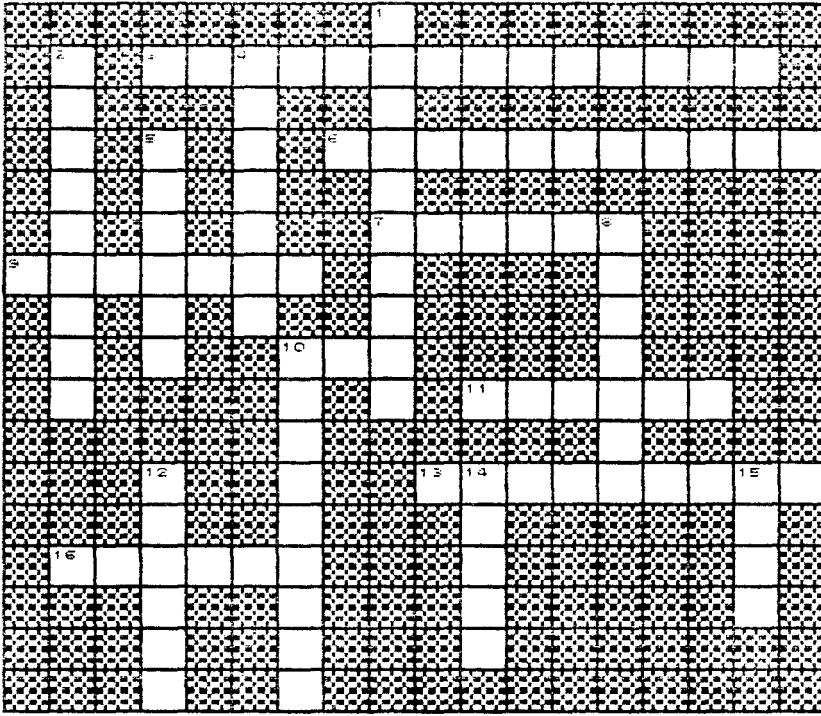
FOR SALE

14½" F7 Newtonian Reflector with Byers German Equatorial Mount, 232 tooth drive, polar worm gear, roller bearing cradle, setting circles and eyepieces. Excellent condition. \$4,000.00 negotiable. Call Ruby Rigoni at 974-0077.



"For heaven's sake, Eloy! ... NOW look where the earth is! ... Move over and let me drive!"

|                     |                    |          |
|---------------------|--------------------|----------|
| President           | Bill Krist         | 254-4057 |
| Vice President      | Richard Wasson     | 279-0384 |
| Secretary/Treasurer | Harold Moorin      | 933-8896 |
| Director            | Robert Pribbenow   | 275-2786 |
| Director            | Raul Espinoza      | 948-3617 |
| Director            | Trevor Tuffin      | 948-3126 |
| Editor              | Steve Lewis        | 955-1205 |
|                     | 2806 N. 33rd Place |          |
|                     | Phoenix, AZ 85008  |          |



### COSMIC TRIVIA

Did you know that temperatures in the interior of the sun reach about 29 million degrees Fahrenheit? One pinhead of it would kill a human 100 miles away.

(Thanks to Jerry Maurer for this contribution from The Cosmic Mind Boggling Book)

This space available for

News Items  
Discoveries  
Experiments  
Announcements  
Inventions  
New Acquisitions  
Projects  
Trips  
Items for Sale  
Anecdotes  
Etc.

Submitted by you, the membership! Call your editor now at 955-1205!

#### ACROSS CLUES

3. 88 OF THESE ILLUSTRATE THE SKY
6. MEASUREMENTS NORTH AND SOUTH OF THE CELESTIAL EQUATOR
7. TELESCOPE MOUNTAIN SITE NEAR SAFFORD, ARIZONA
9. SUMMER SCOURGE TO ASTRONOMERS
10. ASTRONOMER'S PREFERENCE FOR CITY LIGHTS (OTHER THAN "OFF")
11. A BRILLIANT METEOR
13. STAR SUFFERING A CATAclysmic EXPLOSION
16. MILKY WAY

#### DOWN CLUES

1. LARGEST KNOWN STAR; 800 TIMES LARGER THAN OUR SUN
2. 2 POINTS WHERE THE ECLIPTIC CROSSES THE CELESTIAL EQUATOR
4. STARS ABOUT 10 MILES IN DIAMETER
5. ARIZONA'S ASTRONOMICAL CENTER
8. FRENCH ASTRONOMER WHO CATALOGUED SKY OBJECTS OTHER THAN STARS
10. 5,880,000,000,000 MILES
12. NON-CONTINUOUS RADIO SOURCE; NEUTRON STAR
14. EARTH'S MAIN SHADOW CAST ON MOON DURING AN ECLIPSE
15. BRIGHTEST STAR IN THE SUMMER SKY; NEAR CONSTELLATION LYRA

### DIRECTIONS TO ALL ARIZONA STAR PARTY

Take I10 exit 281 onto State Route 83. Proceed about 19 miles south to Mile Post 40. .3 of a mile beyond Mile Post 40 take a left onto the Empire Ranch road. Proceed .9 of a mile to another dirt road on the right (look for sign). Parking will be down about 300 meters.

To Phoenix

