



# East Valley Astronomy Club

April 2002

[www.eastvalleyastronomy.org](http://www.eastvalleyastronomy.org)

Scottsdale, Arizona

## New Board Member

By Martin Bonadio, 2002 EVAC President

Paul Murray will no longer be able to serve on the EVAC board for the remainder of 2002. Changes in his schedule prevent him from meeting the duties. We are pleased to have Peter Argenziano, who has volunteered to serve on the EVAC board for the remainder of the 2002 year, in his place.

Thank you Peter, and we all look forward to working with you!!

Peter's email address is [pargenz@earthlink.net](mailto:pargenz@earthlink.net) if you need to reach him.

## Boyce Thompson Night Under The Stars

Boyce Thomson Arboretum will hold its spring "Night Under the Stars" buffet on Saturday, May 11, between 6 and 9 P.M. There will be a sign-up sheet at the next meeting for those interested in attending, or contact Don Wrigley by phone (982-2428) or email [DJWrigley@earthlink.net](mailto:DJWrigley@earthlink.net). If you haven't been to one of these yet, you are really missing a treat.

<b>EVAC EVENTS CALENDAR - 2002</b>							
			<b>&lt;-- Members only --&gt;</b>				
	<b>New Moon</b>	<b>Meeting</b>	<b>Local</b>	<b>Deep Sky</b>	<b>Gilbert</b>	<b>Other Events</b>	<b>Club Meeting Speaker</b>
<b>Apr</b>	4/12	4/10	4/6	4/13	4/12	12 & 13 Messier Marathon 16 SCC Star Party	David Burstein (Cosmology)
<b>May</b>	5/12	5/8	5/4	5/11	5/10	4 & 5 Astronomy Day 24 - 26 RTMC Astro Expo	Warren Kutok (Telescopes)
<b>Jun</b>	6/10	6/12	6/1	6/8	6/14	8 - 15 Grand Canyon Star Party 10 Partial Sol Eclipse	
<b>Jul</b>	7/10	7/10	7/6	7/13	7/12		

**NOTE :** The Local and Deep Sky parties are for members and by invitation only.  
The public are welcome to attend the Gilbert Star Parties which are held at the Gilbert Library at Greenfield/Guadalupe, and which start at dusk on the dates shown.

Other events coming up:

April 16 SCC Star Party will move to the 18<sup>th</sup> if "Weathered Out" on the 16<sup>th</sup>.

May 4 & 5 Astronomy Day is at the Arizona Science Center.

May 11 Boyce Thompson Arboretum – Good Food and Plenty of Dark Sky

## EVAC Meeting Minutes

March 13, 2002 Tom Polakis, EVAC Secretary

President Martin Bonadio opened the meeting with his "favorite" bas astronomy movies. Next up was upcoming events. Howard Israel is pursuing a big Astronomy Day on May 4 and 5 at the Arizona Science Center. He still needs volunteers to set up scopes, particularly for solar viewing. The Messier Marathon will be held on the night of April 13/14 at the Arizona City site. Contact SAC's AJ Crayon (acrayon@mindspring.com) for details. There will be a star party at the Boyce Thompson Arboretum on May 5. Don Wrigley is the contact for that event.

After introductions and a break came member presentations. Martin Bonadio showed some pictures of his trip to to top of Mauna Kea on his honeymoon. Tom Polakis encouraged members to join the EVAC history team and presented some charts related to the subject. Jason Nelson did a software demonstration of Redshift College Edition, which has proven to be a excellent astronomy self-teaching method for him.

The main speaker was Clyde Hostetter, professor emeritus of California Polytechnic Institute. After introducing the definitions of various years and months, he showed an interesting bowl he bought while in Saudi Arabia. After much study, Dr. Hostetter inferred that the inscriptions matched astronomical cycles. Of particular interest is an eclipse cycle of 112 years minus six days that predates the introduction of the Saros cycle by at least 1000 years. His book on this an other subjects is "Star Trek to Hawaii", and may be found in Mesa Public Library.

Tom Polakis

Tempe, AZ

Arizona Sky Pages

<http://www.psiaz.com/polakis/>

## **If it's clear...**

by **Fulton Wright, Jr.**

**Prescott Astronomy Club for April 2002**

Shamelessly stolen information from Sky & Telescope magazine, Astronomy magazine, and anywhere else I can find data. When gauging distances, remember that the Moon is 1/2 a degree or 30 arcminutes in diameter.

On Saturday, April 6, about 8:00 PM, you can see Saturn near a star. With a small (3 inch) telescope, look 50 degrees above the west horizon for Saturn (mag 0). One and a half arcminutes down and to the right is a 6th magnitude star. Titan (mag 8) and Rhea (mag 10) are on the other side of the planet.

On Monday, April 14, about 8:00 PM, the Moon is near Venus. Tomorrow (15th) it is near Mars. The next day (16th) it is near Saturn. Two days after that (18th) it is near Jupiter.

On Wednesday, April 17, about 8:00 PM, you can see an asteroid near a star. With a small (6 inch) telescope look 35 degrees above the west

**See Clear Page 3**

Clear Cont'd from page 2

horizon for 108 Tauri (mag 6). About 6.5 arcminutes to the right of the star is 4 Vesta (mag 8).

At the end of the month, around 8 PM, you can see the 5 brightest planets along the ecliptic in the west. Near the horizon, in order of increasing altitude, are Mercury (mag 0), Venus (mag -4), Mars (mag 1.5), and Saturn (mag 0). Higher up is Jupiter (mag -2).

Here are the times of some interesting events with Jupiter's moons:

- Apr 7 Good things happen but it isn't dark yet,  
maybe you can catch some of them.  
4:09 PM Callisto's shadow falls on Jupiter (rare)  
4:57 PM Io's shadow falls on Jupiter (2 shadows)  
6:56 PM (Sun sets)  
7:12 PM Io's shadow leaves Jupiter (1 shadow left)  
7:17 PM Ganymede appears from behind Jupiter  
7:46 PM Callisto's shadow leaves Jupiter (no shadows)  
9:18 PM Ganymede disappears in Jupiter's shadow
- Apr 14 6:52 PM Io's shadow falls on Jupiter  
7:01 PM (Sun sets)  
7:53 PM Io moves from in front of Jupiter  
8:15 PM Ganymede disappears behind Jupiter  
9:08 PM Io's shadow leaves Jupiter  
11:25 PM Ganymede appears from behind Jupiter
- Apr 15 11:27 PM Callisto disappears in Jupiter's shadow (rare)
- Apr 16 8:30 PM Io and Europa are 5 arcseconds apart

### **FOR SALE**

Celestron Ultima 8, 8" f/10 SCT. This is the heavy duty photographer's scope with Periodic Error Correction which computer replicates your first two minutes of hand guiding. Includes Sky Wizard computerized setting circles, tripod, foam-lined case, Celestron Ultima Series eyepieces in 4mm 5mm 7.5mm 10mm 18mm 30mm, Reducer/Corrector lens for use as f/6.3 instrument, motorized RA, Dec & Focus, currently wired to operate from external rechargeable 12v lead-acid battery or can be powered internally by 9v batteries, manuals. Currently set up & aligned for demonstration. Total paid over \$3000. Sell \$1900.

Call Mike 480.839.3209

# BACKYARD ASTRONOMY

## DEBUNKING COMMON MYTHS

By Bill Dellings

When giving a talk to a group, I occasionally enjoy enlightening them about common astronomical misconceptions. If they can get passed the following concepts, they'll know 90% more astronomy than the average yokel!

- 1) "Shooting stars" are NOT stars falling from the sky. They are meteors, about the size of a grain of sand, burning up as they plunge into our atmosphere at an altitude of about 50 miles.
- 2) Is the Sun a star? Yes, like the others you see at night (except planets). A large ball of hydrogen gas, with a nuclear process at its core called fusion, turning hydrogen into helium and releasing energy.
- 3) Is Polaris, the North Star, the brightest star in the sky? NO! I can't believe how many people think it is. There are about 50 stars in the night sky that are brighter. Polaris is famous for being an indicator of the direction of north, not being a bright star.
- 4) "What power is your telescope?" Astronomical telescopes do not have a set power. Most owners have several eyepieces so they can use low, medium, and high power for different applications.
- 5) Do comets shoot by? No. Comets and meteors have similar velocities, but comets are much farther away, thus seem to hang in the same place amongst the stars during one night. They will appear to move somewhat from night to night.
- 6) The moon looks HUGE when just rising but small overhead (?). This is the so-called "moon illusion effect". It is purely an optical illusion. It has been proven things always look bigger when close to the horizon.
- 7) What causes the moon's phases? It is NOT the Earth's shadow. The phases are

caused by sunlight reflecting off the moon and the way we view this from Earth as the moon orbits Earth once a month.

- 8) The scientific study of the universe is called astronomy..NOT astrology.
- 9) Astronomers use telescopes..NOT microscopes.
- 10) Earth ROTATES (spins) on its axis once every 24 hours. It REVOLVES (to orbit something) around the Sun in one year.
- 11) Is Earth closest to the Sun in summer (for the northern hemisphere)? No. It's actually farther away, at its "aphelion" point 94,500,000 miles from the Sun (compared to its "perihelion" point 91,500,000 miles from the Sun in winter). It is the 23 ½ degree tilt of our planet (from its orbital plane) that's responsible for whether a season is cold or hot. Though we northern hemisphere folks are three million miles farther from the Sun in summer, our hemisphere is tilted TOWARDS the sun at this time, thus the Sun's rays strike us more directly. Now, you might ask...hmmmm, wait a minute. This means, in the southern hemisphere, they have summer when closest to the Sun and winter when farthest-shouldn't they have really hot summers and really cold winters? They would, but because they have a disproportionate amount of seas down there (more water), this tends to mediate the process resulting in seasons similar to ours insofar as temperatures are concerned.

Congratulations, you now know more astronomy than the average guy in the street. Class dismissed. (2/24/02).

ASTRONOMY DAY 2002 AT THE  
Arizona Science Center

May 4 - 5, 2002



Howard Israel  
Astronomy Day Coordinator

The Science Center committee coordinating this exciting astronomical event is predicting one of the best Astronomy Days in the country. No small task considering the number of events planned throughout the United States during the months of April and May. However, considering the enormous power of the Arizona astronomical community, the committee is confident of that boast.

We've lined up just about every major observatory in the state to participate. Included are Kitt Peak, Fred Lawrence Whipple Observatory, Lowell Observatory and Stewart Mirror Lab. They'll be providing displays, handouts and terrific guest speakers who will acquaint the general public about the wonders of astronomy during this two-day event.

Topics to be discussed will be the latest Mars missions, The Effects of High Energy Gamma Rays, Telescopes of the Future, How to buy a telescope, as well as presentations by amateur astronomers here in the valley.

Also participating will be several telescope and accessory manufacturers as well as retail shops displaying the latest in

astronomy equipment. We're particularly excited about having Coronado Instruments provide an interactive solar display. This will be in conjunction with several solar telescopes set up during the day in Heritage Square by amateurs from various astronomy clubs throughout the valley. We have also scheduled evening public telescope viewing on Sunday night, from 7:00 PM to 9:00 PM using scopes provided by club members.

And speaking of astronomy clubs, we expect every club in the valley will be providing displays, exhibits, speakers, telescopes and personnel to assist the Science Center staff in handling the expected large crowds.

The theme of this exciting astronomical weekend is "Bringing Astronomy to People". It's a fun way to raise the public's awareness of the value of astronomy and introduce them to the wonders of the night sky. As a member of the coordinating committee, I would appreciate EVACs' full participation in this great event. Volunteers would be greatly appreciated as well as attendance by members and their families. To volunteer, e-mail me at [howmad@aol.com](mailto:howmad@aol.com) or call me at 480 893 7523.

**FOR SALE**  
Selling for health reasons

Scope has some wear but the scope already knows its way around the sky and will be a real asset to an enthusiastic amateur astronomer. Mirror has several years of use left before it will need recoating. Compare to Obsession.

16 inch F 4.5 Dobsonian Telescope with all accessories ready to use.  
Two-piece design easy set up five minutes. See to 13<sup>th</sup> Magnitude Stars. Total \$3500.

16 Inch F 4.5 Mirror, made by John Hall, Pegasus Optics.  
Novak 9-point easy adjustable Aluminum Mirror cell  
Novak 3.0 inch secondary mirror and diagonal spider  
High Quality Real Dark Oak Exterior Wood Finish  
Open Truss Design with sturdy aluminum struts.  
University Optics 11 x 80 Right Angle Finder Scope  
(Presents same scale and view as on a Uranometria Sky Chart)  
Telrad Finder for fast finding of objects.

Eyepieces, Filters, and aluminum foam padded Case. Like New Condition. Total \$765

TelVue Nagler 11 mm  
TelVue Plossel 32 mm  
TelVue Plossel 26 mm  
TelVue Plossel 17 mm  
TelVue Plossel 10.4 mm  
TelVue Plossel 7.4 mm  
Meade 2x 3x variable Barlow.  
Set of planetary filters – Green, Yellow, Red, Orange, and Orange.  
Neutral Density Filter  
Lumicon, Ultra High Contrast  
Lumicon, O<sub>3</sub>  
Collimating Eyepiece.

For the Whole Deal, Scope, Accessories + Eyepieces, Filters, Case. \$4100. Also have Professional Quality Photographic Tripod. \$85

George DeLange  
22510 N. 71<sup>st</sup>. Lane  
Glendale, AZ 85310  
623-561-6618      [delange@extremezone.com](mailto:delange@extremezone.com)      [www.delange.org](http://www.delange.org)

**WANTED**

Your articles, ideas and items you wish to sell for the EVAC Newsletter. Do Not be bashful, be creative, show off your knowledge. Your submissions make this YOUR newsletter. The articles can be mailed, emailed or handed to Don Wrigley. The snail mail address is 423 W 5<sup>th</sup> Ave, Apache Junction, AZ 85220. Email [DJWrigley@Earthlink.net](mailto:DJWrigley@Earthlink.net). Deadline for the April newsletter is March 27. Articles should be limited to two (2) pages. If you have a long article, place it as a two or three part series.

# President's Message

By Martin Bonadio

First, I just have to ask if you have had a chance to see the comet Ikeya-Zhang yet? Since moving into my new house, I've been outside at dusk every night observing it. Through my 10x50 binoculars I cannot make it out until the sun has completely set and 4<sup>th</sup> magnitude stars start to appear. Once it's visible, the comet's bright nucleus, dimmer shell, and long 4-5 degree visible tail are spectacular. The comet is visible in the west right now. Currently it's slightly toward northwest, and about 15 degrees off the horizon once it gets dark. Even in my front yard and facing right into the Phoenix sky-glow this comet is clearly visible in small binoculars and telescopes. I suggest trying to find a darker location so that more tail length and details is visible. As of this writing the comet is skirting the tail of Pisces, and heading toward Pegasus along the Andromeda border. Its magnitude has probably reached around 3 – 3.5. My wife claims she can make it out from a darker portion of our property, although I cannot, so I guess it depends on your eyes whether this is possible.

My new backyard is a mess of dirt and debris. I have dared not setup my scope back there yet. However, I do like the fact that I have a clear view to the east and south with little to no light pollution. The houses around me are all one story in that area which helps even more. Of course none of them are finished yet, so we'll see how good it is when they hang those super bright fixtures from their patios. Another nice thing I've noticed is how the 2-story home to my west completely blocks the streetlights and Phoenix light dome from direct view. I selected a place on my patio that affords me a good view of Polaris right over my roof, and takes advantage of the above description. I even have an electric outlet not more than 3 feet from this position! Perfect for setting up my laptop, SCT, or CCD camera. I'm very excited, and will be outside every afternoon trying to convince the landscapers to get their work done quickly!!

Then next thing I want to comment about this month is observing from our member sites at Florence Junction and Vekol. I've read and listened to a few conversations over the past few months, and just want to remind everyone that these sites are for our deep sky observing pleasure. Part of the appeal of using them is that we have the chance to gather with our fellow club members and enjoy the experience without the common interference of lights, noise, the general public, or other interruptions. It is up to each of us to be aware of this as we are using these observing locations. While there are very few written rules (such as no white light, no alcohol, and no live gun fire, etc.), there are unwritten rules and considerations for each of us. A few that I have heard mentioned are smoking and bringing pets and children. While these certainly aren't banned, please use your best judgment. If your children are going to wander around in the dark and not observe, then they might get hurt while tripping over a cable or tripod leg, etc. If you smoke be aware of where you are doing it. The person set up next you might be sensitive to it. It's always a good idea to just ask the others around you how they feel about something you might do at a star party. It never hurts to ask. Our observing sites are large enough that everyone's needs can easily be accommodated. Remember, our goal is to enjoy the stars, planets, comets, and other deep space wonders together. If you have suggestions or further considerations about this, please let me know at [mbonadio@cox.net](mailto:mbonadio@cox.net) or call me at 480-926-4900..

There are lots of great events coming up in April and May. In particular the Boyce Thompson Star Party is on May 11 – if you are interested in more details, please contact Don Wrigley @ [djwrigley@earthlink.net](mailto:djwrigley@earthlink.net). The Astronomy Day activities at the Science Center are on May 5th. As it currently stands there are several EVAC members signed-up to participate including myself. I will be showing several photos from Hubble and other sources of deep sky objects in a presentation called “Through Space and Time”. The 30-minute presentation takes you from our Sun to the ends of the universe – the Hubble deep field. Along the way I stop at ever further places and highlight many of the different types of clusters, nebulae, and galaxies. Everyone is welcome and other clubs and universities in AZ are participating to try and make this the best event ever. Contact Howard Israel at [howmad@aol.com](mailto:howmad@aol.com) or at 480- 893-7523 for more details. Finally, David Coshow and I are also going to arrange for a beginner’s lab later in April or May. I might suggest that we try this out at the park near my new house. The skies there are dark enough for us to have some real fun this time. Of course, it’s a little further east, but it might be worth trying.

A special thanks goes out to Howard Israel for his efforts in coordinating the Astronomy Day Activities this year, and to Dave Kelley who continues to make our club website better and better. If you haven’t visited it lately please do – [www.eastvalleyastronomy.org](http://www.eastvalleyastronomy.org). The events calendar is in place, and it’s setup so that officers can add and update events as they are announced. This helps us to get information to you faster and lets Mr. Kelley enjoy a few evenings out with his telescope!! Thank you Dave for your excellent contribution to the club this year!

Well that’s about it for this month. I’m planning on getting out with my scope for a deep sky star party this month while the weather is clear and dry. I hope to see you out there. All the best...

## RTMC Memorial Day Weekend

I am asking the membership at if there is any interest in organizing a car pool for EVAC members for the combination of Star Party/lectures/swap meet/get-away-from-it-all event held in the high mountains of Big Bear in Riverside, California. I had a sign-up sheet at the February EVAC meeting, but not much interest was shown, so if this article does not stimulate more interest in such a pooling arrangement then we will drop the idea.

Please email me at [silvioj@msn.com](mailto:silvioj@msn.com) if you are interested.

I will need to know which Phoenix departure time suits you (choose from Thus PM, Fri AM, Fri PM), which RTMC departure time suits you (choose from Sun AM, Sun PM, Mon AM), whether you want to Camp or Motel, and the number of passengers you would be willing to take if you choose to drive. The idea is that the passengers will pay the gas cost and the drivers pay nothing for gas. Each traveler will be responsible for their own accommodation and meal arrangements, as well as their own RTMC reservation.

## East Valley Astronomy Club Membership Form

Please complete this form and return to the club treasurer at the next club meeting OR mail to EVAC, P.O. Box 2202, Mesa, AZ 85214, with a check or money order made payable to EVAC.

**IMPORTANT:** ALL memberships expire on December 31 of each year.

**New Member Only - select month joining:**

- \$20.00 January – March
- \$15.00 April – June
- \$10.00 July – September
- \$25.00 October – December & next year

**Membership Renewals:**

- \$20.00 January – December

**Name Badges:**

- \$7.00 each

Name: \_\_\_\_\_

**Magazines:** if renewal, customer # \_\_\_\_\_

(New) (Renewal)

- \$29.00/yr Astronomy Magazine
- \$30.00/yr Sky & Telescope

**Newsletter delivery option, check one:**

- E-mail (saves club postage/printing)
- U.S. Mail

**Total enclosed \$** \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone # (\_\_\_\_) \_\_\_\_\_

E-mail \_\_\_\_\_

URL: \_\_\_\_\_

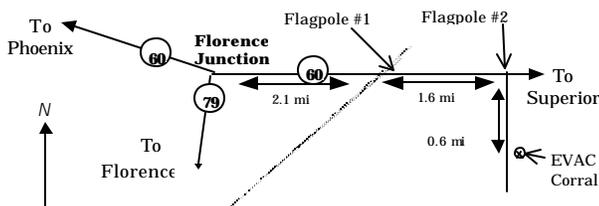
### EVAC Star Parties

**Local Star Party: Florence Junction Site**

General Information: The Florence Junction site is the official site for the East Valley Astronomy Club's Local Star Party, typically held on the Saturday closest to Last Quarter Moon. Florence Junction offers reasonably dark skies within a short drive of most east Valley locations. (Report gunfire or illegal activity: 800/352-3796; Land use permit number: 26-104528.)

Location: N 33° 14' 40"      W 111° 20' 16"

How To Get There: Take US 60 east to Florence Junction. Go past Florence Junction. 2.1 mi past FJ are railroad tracks, and on the right will be a flagpole. Do not turn there. Continue on for another 1.6 miles until you find the second flagpole on the right. This is your turn. Turn right, and continue on the dirt road for 0.6 miles. The corral is on the left, just before a gas-line sign.

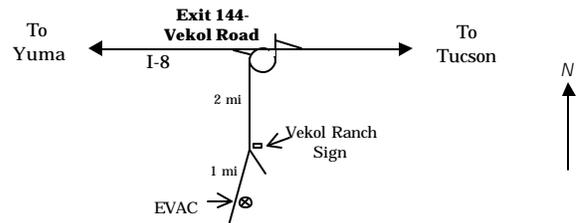


**Deep Sky Star Party: Vekol Road Site**

General Information: The Vekol Road site is the official site for the East Valley Astronomy Club's Deep Sky Star Party, typically held on the Saturday closest to New Moon. Vekol Road offers dark skies despite prominent sky glow from Phoenix to the north. The site is within 1½ hours drive time from most east Valley locations.

Location: N 32° 47' 55"      W 112° 15' 15"

How to Get There: Take I-10 south and exit onto Maricopa Road. Continue through the town of Maricopa to SR 84, about 25 miles from I-10. Turn right on SR 84, after about 5 miles the road merges with I-8. Continue west and exit I-8 at Vekol Road—Exit 144. Turn left and cross the highway overpass. Before looping back onto I-8 take the dirt road to the left. Go south for 2 miles. At the Vekol Ranch sign bear right and continue south for another mile until reaching a large, open area on the left.



**EVAC Officers**

**PRESIDENT**

Martin Bonadio  
(480) 926-4900

**VICE-**

**PRESIDENT**

Diana Jane  
(480) 833-2002

**TREASURER**

Randy Peterson  
(480) 947-4557

**SECRETARY**

Tom Polakis  
(480) 967-1658

**PROPERTIES**

Gary Finnie  
(480)

**NEWSLETTER**

Kathy Woodford and  
Don Wrigley, Editor  
(480) 982-2428

Silvio Jaconelli,  
Coordinator  
(480) 926-8529

East Valley Astronomy Club—2002 Scottsdale, Arizona

EVAC Homepage—<http://www.eastvalleyastronomy.org/>

**Membership & Subscriptions:** \$20 per year, renewed in December. Reduced rates to *Sky & Telescope* and *Astronomy* available. Contact Randy Peterson. PO Box 2202, Mesa, AZ. 85214. Email: [rpg14159@aol.com](mailto:rpg14159@aol.com)

**Club Meetings:** Second Wednesday of every month at the Scottsdale Community College, 7:30 p.m. Normally Room PS 170 or PS 172 in the Physical Sciences Building. See map below.

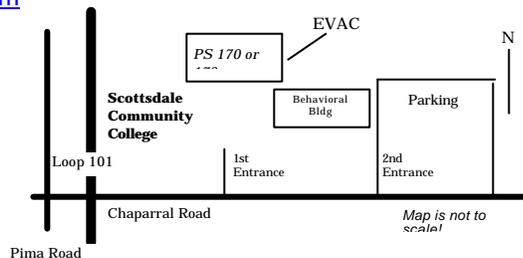
**Address Changes:** Contact Randy Peterson. Email: [rpg14159@aol.com](mailto:rpg14159@aol.com) or PO Box 2202, Mesa, AZ. 85214.

**Newsletter:** Contact Don Wrigley or Kathy Woodford, 423 W. 5<sup>th</sup> Ave, Apache Jct, AZ 85220. The Newsletter is mailed out the week before the monthly Club meeting. An electronic version is available in Adobe PDF format in lieu of a printed copy. Please send your contributions to Silvio Jaconelli [SilvioJ@msn.com](mailto:SilvioJ@msn.com) or Don Wrigley [DJWrigley@earthlink.net](mailto:DJWrigley@earthlink.net). Contributions may be edited.

**EVAC Library:** The library contains a good assortment of books, downloaded imagery, and helpful guides. Contact Gary Finnie for complete details [gfinnie@kam-az.com](mailto:gfinnie@kam-az.com)

**Book Discounts:** Kalmbach and Sky Publishing offer a 10% Discount to EVAC members on books and other items from their catalogs! When ordering, notify the person on the phone that you would like the "Club Discount." When ordering by mail, there is a line to subtract the 10% club discount.

**EVAC Party Line:** Let other members know in advance if you plan to attend a scheduled observing session. Contact Dave Coshow (480) 730-1132.



**Deadline for the May Newsletter is April 24<sup>th</sup>**



EVAC  
PO Box 2202  
Mesa, AZ 85214

Don Wrigley & Kathy Woodford, Co-Editors  
Silvio Jaconelli, Coordinator  
423 W 5<sup>th</sup> Ave, Apache Junction, AZ 85220

**Reminder: Next EVAC Meeting  
Wednesday, April 10, 2002**

**EVAC on the Internet**  
EVAC Homepage: [www.eastvalleyastronomy.org](http://www.eastvalleyastronomy.org)

**E-mail Mailing List:**  
AZ-Observing is a fairly general mailing list about observing in Arizona. Included are star party information, who is going, as well as the latest observations and astronomical events. To join, send E-mail with the "Subject: subscribe" to [AZ-Observing@freelists.org](mailto:AZ-Observing@freelists.org)

Although EVAC is a private club not open to the public, we do encourage potential new members to initially join us at our club meetings and/or star parties to help them determine the suitability of the club to meet their needs.