



***August, 2003***

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At the **August 1** meeting...

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***Richard Schmude***

*Associate Director  
Association of Lunar and Planetary Observers*

***Recent Developements on  
Jupiter***

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*Houston Astronomical Society*

***GuideStar***

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HAS Web Page: <http://www.AstronomyHouston.org>

See the *GuideStar's* Monthly Calendar of Events to confirm dates and times of all events for the month, and check the Web Page for any last minute changes.

★★★★★ **The Houston Astronomical Society** ★★★★★

The Houston Astronomical Society is a non-profit corporation organized under section 501 (C) 3 of the Internal Revenue Code. The Society was formed for education and scientific purposes. All contributions and gifts are deductible for federal income tax purposes. General membership meetings are open to the public and attendance is encouraged.

★★★★★★★★★ **Officers & Past President** ★★★★★★★★★

President: Kirk Kendrick ..... H: 281-633-8819      Treasurer: Debbie Moran ..... H: 713-666-9428  
 Vice Pres: Bill Leach ..... H: 281-893-4057      Past President: Don Pearce ..... H: 713-432-0734  
 Secretary: Brian Cudnik ..... H: 832- 912-1244

★★★★★★★★★ **Additional Board Members** ★★★★★★★★★

	Liaison responsibility
Bill Flanagan ..... 713-699-8819	Telescope Loaner Program
Don Pearce ..... 713-432-0734	
JayLevy ..... 281-557-4920	Field Trip and Observing, Program
Christopher Mendell ..... 281-488-8906	
Steve Sartor ..... 281-370-3544	

★★★★★★★★★ **Committee Chairpersons** ★★★★★★★★★

Audit ..... Matt Delevoryas ..... 713-666-9428	Program ..... John Blubaugh .....
Education ..... Richard Nugent ..... 713-524-1993	Publicity ..... Joe Khalaf ..... 713-660-8219
Field Tr./Obsg. .... Kenneth Miller .....	Telescope ..... Clayton Jeter ..... 281-383-1337
Novice ..... George Stradley ..... 281-376-5787	Welcoming ..... Marg Nunez ..... 713-529-2549
Observatory ..... Michael Dye ..... 281-498-1703	..... Hannah Lange ..... 832-715-7833

★★★★★★★★★ **Ad-Hoc Committee Chairpersons** ★★★★★★★★★

Historian ..... Leland Dolan ..... 713-688-0981	Publ. Star Party ..... Marg Nunez ..... 713-529-2549
Librarian ..... Peggy Gilchrist ..... 281-443-8773	Rice U. Coord. .... Matt Delevoryas ..... 713-666-9428
Logo Mds Sales ..... Judy Dye ..... 281-498-1703	Schedule Obs'v'ty ..... Steve Goldberg ..... 713-721-5077
Long Range Plan ..... Bill Leach ..... 281-893-4057	Texas Star Pty ..... Steve Goldberg ..... 713-721-5077
Parliamentarian ..... Kirk Kendrick ..... 281-391-3834	

★★★★★★ **Special Interest Groups & Help Committees** ★★★★★★★

These are now listed on the inside of *GuideStar* (not every month). See the Table of Contents

★★★★★★★★★ **Advisors** ★★★★★★★★★

Dr. Reginald DuFour, Rice Univ.      Dr. Lawrence Pinsky, U. of H.

★★★★★★★★★ **Dues and Membership Information** ★★★★★★★★★

Annual Dues: Regular ... \$33.00	Student ..... \$5.00
Associate .... \$5.00	Honorary ..... None
Sustaining . \$50.00	

All members have the right to participate in Society functions and to use the Observatory Site. Regular and Student Members receive a subscription to *The Reflector*. Regular, Student, and Honorary Members receive *The GuideStar*. Associate Members, immediate family members of a Regular Member, have all membership rights, but do not receive publications. Sustaining members have the same rights as regular members with the additional dues treated as a donation to the Society. *Sky & Telescope* mag \$29.95/year, *Astronomy* mag \$29/year -- see club treasurer.

Membership Application: Send funds to address shown on outside cover of *Guidestar*. Attention - Treasurer, along with the following information: Name, Address, Phone Number, Special Interests in Astronomy, Do you own a Telescope? (If so, what kind?), and where you first heard of H.A.S.

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**Check the web site:**

**<http://www.astronomyhouston.org>**

## Welcome to New Members!

The Houston Astronomical Society encourages you to join our group of active amateur astronomers and take advantage of the benefits of membership. As a member you'll have access to the club observing site near Columbus, Texas. (You're required to participate in a site orientation meeting before you get the gate lock combination.) The site has concrete pads for setting up your telescope, restroom and bunkhouse facilities, and areas set aside for camping. You'll get monthly issues of the *GuideStar* newsletter, you'll get to vote and to serve the organization as an officer, and you will be supporting the local amateur astronomy community.

## Special Interest Group Listing

*Any member who wants specific information on a SIG listed below may call the listed individual. Also, see the "Ad Hoc Committee Chairpersons" on the inside front cover and the "Special Help Volunteers" listing (not in every issue).*

Advanced .....	Bill Leach .....	281-893-4057
Comets .....	Don Pearce .....	713-432-0734
Lunar & Planetary .....	John Blubaugh .....	713-921-4275
Occultations & Grazes ...	Wayne Hutchison .....	713-827-0828
Advanced .....	Bill Leach .....	281-893-4057

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# *Observations... of the editor*

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**by Bill Pellerin, GuideStar Editor**

July 16, 2003

I feel like there's been a party going on, and I've been missing it. What's really happening is that I haven't had an opportunity to observe Mars yet, but I've been listening intently to the stories of other observers who have seen the red planet. Have you seen it yet? If, like me, you haven't, you need to get moving on this one. This opposition is a very close one, with Mars occupying over 25 arc-seconds of sky at its largest. Both of the popular amateur astronomy mags, (*Sky and Telescope* and *Astronomy*) have complete coverage and observing tips. Don't miss this one!

July 17, 2003

This morning, early, I was able to do a quick observation of Mars... actually Mars and the moon. They were very close in the sky this morning and they both fit easily into a 2 degree telescope field. I didn't have the ability to pump up the power on the telescope, but I enjoyed seeing the combination of the moon and Mars in the eyepiece. Perhaps this weekend I'll get a good look at it.

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If you missed Ed Ting's presentation on astronomy equipment, you missed a good one. Catch up (or review) his information at [www.scopereviews.com](http://www.scopereviews.com). Telescopes are a lot of fun, but observing is what it's really all about. Whatever telescope you're using, good, bad or indifferent, it's the time you spend under the stars with it that counts. A lot of us (sometimes me) spend so much time fiddling with our stuff that we miss the entire experience. If you're fiddling with your equipment instead of using your equipment to enjoy what the sky has to offer, you're doing something wrong. Do all your fiddling on cloudy nights!!



Ed Ting

Speaking of which.... earlier today I was thinking about how I would go about observing the Mars opposition coming up. I use a 4" refractor most of the time, and the rule of thumb is that you shouldn't exceed 40 to 50 times the aperture (inches) in magnification. So...  $50 \times 4 = 200$  power. Ok, what eyepiece do I have that'll give me 200 power? Well,  $\text{power} = (\text{telescope}$

*Continued on page 16...*

# ***Houston Astronomical Society***

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***Meeting Notice  
For Friday, August 1, 2003***

## ***Richard Schmude***

***Associate Director  
Association of Lunar and Planetary Observers  
Recent Developements on Jupiter***

Richard Schmude first became interested in Astronomy when he was six years old. He grew up in Houston Texas and graduated from Klein High School. He attended Texas A&M University and received his PhD degree in Chemistry in 1994. Since 1994 Richard has been teaching Chemistry, Astronomy and Physical Science at Gordon College. He is currently the Associate director of the Association of Lunar and Planetary Observers and is also the Jupiter and remote planets coordinators of that organization. Richard has published nearly 100 scientific papers dealing mostly with planetary astronomy and chemistry and has given over 250 talks and public viewing sessions.

***plus  
Don Pearce  
Observing Mars***

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### **Schedule of meeting activities:**

**All meetings are at the University of Houston Science and Research building. See the inside back cover for a map to the location.**

**Novice meeting: ..... 7:00 p.m.  
Kay Sandor "How to Mix Art and Astronomy"**

**Site orientation meeting: ..... 7:00 p.m.  
Classroom 121**

**General meeting: ..... 8:00 p.m.  
Room 117**

**See the inside back cover for a map  
and more information.**

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# August/September Calendar:

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Photo by Scott Mitchell

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<i>Date</i>	<i>Time</i>	<i>Event</i>
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## August 2003

1	7:00 p.m.	Novice Presentation - U of H.
	8:00 p.m.	General membership meeting U of H. Dr. Richard Schmude, Associate Director of the Association of Lunar and Planetary Observers. Entitled: "Recent Developments on Jupiter"
5	2:28 a.m.	First Quarter Moon
11	11:48 p.m.	Full Moon Perseid meteor shower begins to peak
16		Members Observatory Night- Columbus
19	8:48 a.m.	Last Quarter Moon
23		Prime Night-Columbus
24		Uranus at opposition
27	early a.m.	Mars at closet approach. Dont miss this one!
	12:26 p.m.	New Moon
28		Mars at opposition.

## September 2003

3	7:35 a.m.	First Quarter Moon
5	7:00 p.m.	Novice Presentation - U of H.
	8:00 p.m.	General membership meeting U of H. Peter Nolan, former President
10	11:37a.m.	Full Moon
18	2:03 p.m.	Last Quarter Moon

*Send calendar events to [JBlubaugh@aol.com](mailto:JBlubaugh@aol.com)  
or call 713-921-4275.*

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## ***HAS Internal Phone List***

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The HAS is going to create a contact list of members that will be shared among the people on the list. This list is to be used for coordinating observing sessions, emergency contact, or general information from fellow members. You MUST sign up to be put on the list, your name will NOT be automatically listed. George Stradley, our Novice Chairman, will be the "keeper" of the list. To be put on the list, or to get a copy of the current list, please send George an email

[stradley@sbcglobal.net](mailto:stradley@sbcglobal.net)

subject=HAS Contact List

Include the following information:

- Name
- Phone numbers (home, cell, work, pager)
- Zip code.

If you have any questions, please ask George using the email link

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## ***Sky and Telescope Rate Increase***

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This is a notification that *Sky and Telescope* is raising its club subscription renewal rate to \$32.95 for subscriptions expiring in 2004. The individual rate is also going up, so we will still offer a \$10.00 discount compared to subscribing on one's own. This increase is built into our dues bylaws, but we still need to notify the membership with announcements at meetings and through *GuideStar*. We should also revise the membership application at the beginning of 2004 to reflect the new rates.

Debbie Moran, Treasurer

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## *Other Meetings...*

**Fort Bend Astronomy Club** meets the third Friday of the month at 8:00 p.m. at the First Colony conference Center. Novice meeting begins at 7:00, regular meeting begins at 8:00. Web site: <http://www.fbac.org>

**Johnson Space Center Astronomical Society** meets in the the Lunar and Planetary Institute on the 2nd Friday of each month. Web site: <http://www.ghgcorp.com/cbr/jscas.html>

**North Houston Astronomy Club** meets at 7:30 p.m. on the 4th Friday of each month in the Teaching Theatre of the Student Center at Kingwood College. Call 281-312-1650 or E-mail [bill.leach@nhmccd.edu](mailto:bill.leach@nhmccd.edu). Web site: [www.astronomyclub.org](http://www.astronomyclub.org)

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## *HAS Web Page*

The Houston Astronomical Society Web page has information on the society, its resources, and meeting information.

The address is: <http://www.astronomyhouston.org>

Want your astronomy work and name on the Internet for the whole world to see? Have some neat equipment? Pictures in film, CCD, hand drawings or video format are all welcome on the page. Do you have an idea to improve the page? I'm listening. Send me Email at [goldberg@infohiwy.net](mailto:goldberg@infohiwy.net). (You can click on my name on the HAS home page). Or, you can call Steve Goldberg (WebMaster), at 713-721-5077.

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# ***HAS 2003 Banquet***

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at  
West Loop Marriott  
1750 West Loop South @ San Felipe  
Crystal Palace Room on Top  
August 2, 2003

*DAN JOYCE FEATURED SPEAKER*

*OBSERVING MARS - A SPECIAL OPPORTUNITY*

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***6:30-7:30 - Registration & Cash Bar***

***7:45- Meal***

***8:30 - Featured Speaker***

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## **Dinner choices**

*London Broil*  
*Chardonnay Basil Chicken*  
*Vegetarian Plate*

**To register:      Send \$26 per meal**  
**Food selection per meal.**

**Check payable to Houston Astronomical Society**  
**Pay by or at the August 1 meeting**

**Houston Astronomical Society**  
**Attn: Marge Nunez, Banquet Chairman**  
**1912 Hawthorne**  
**Houston TX 77098**  
**713-529-2549**

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Committee Chairman: Marg Nunez  
Committee Members: Judy Dye, Don Pearce, Michael Dye, Hannah Lange

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# *Dan Joyce to Speak at H.A.S. Banquet*

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Dan Joyce of Chicago will be the guest speaker at the Houston Astronomical Society annual banquet. The H.A.S. is pleased to welcome him to Houston for this event and invites all members and guests of the following organizations to participate.

*Houston Astronomical Society*

*Johnson Space Center Astronomical Society*

*Fort Bend Astronomical Society*

*North Houston Astronomy Club*

Dan has been working as an earth/space science educator at Cernan Earth & Space Center (River Grove, IL) for 17 years, mostly conducting programs for school field trips that come for a visit. He has been with the Chicago Astronomical Society for 33 years and have been on its Board for all but one of the last 30 years (he is currently in his fifth term as Secretary).

He wrote the "Amateur Astronomers" column for the October, '79 *Sky & Telescope*. Dan does the Planet Watch daily column for the Chicago Tribune and was appointed Chairman of the Optical Quality Assurance Committee for the International Space Station Amateur Telescope project. For a few years he was an instructor at Chicago's Adler Planetarium optical shop. Dan has been on the Astrofest working committee every year since its inception in 1980.

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# *Special "Help" Volunteers*

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Any member who wants specific information on a subject listed below may call the individual listed. If you have a moderate knowledge of a special subject and would be happy to have others ask you about that subject, let the editor know and your subject, name and phone will be listed in *GuideStar* in the future. Note that we have listed a few possible areas where you might volunteer, but, of course, you are not limited to these. You can also have a specialty which is a sub-group of another. Note that the number of names for any subject is not limited to only one person. Also see the "Ad Hoc Committee Chairpersons" on the inside front cover and the "Special Interest Groups Listing article.

<b>Subject</b>	<b>Name</b>	<b>Phone</b>
Asteroids .....	Barbara Wilson .....	281-933-1289
Astrometry .....	Richard Nugent .....	713-910-5945
Astrophotography .....	Steve Goldberg .....	713-721-5077
Beginning in Astronomy .....	Peggy Gilchrist .....	281-558-1190
	Amelia Goldberg .....	713-721-5077
Comets .....	Kenneth Drake .....	281-367-1592
	Don Pearce .....	713-432-0734
Computers .....	Matt Delevoryas .....	713-795-0808
	Leland Dolan .....	713-688-0981
	Ricardo Palmeira .....	713-669-1409
Cosmology .....	Ricardo Palmeira .....	713-669-1409
Deep Sky .....	Larry Mitchell .....	281-448-8700
	Barbara Wilson .....	281-933-1289
Double Stars .....	John Blubaugh .....	713-921-4275
Drawing (Sketching) .....	Scott Mitchell .....	713-461-3020
Herschel Objects .....	Larry Mitchell .....	281-448-8700
History, Astro'y - General .....	Leland Dolan .....	713-688-0981
	Ricardo Palmeira .....	713-669-1409
History, Astro'y - Amateurs .....	Tom Williams .....	713-526-2868
Mathematics, Astronomical .....	Richard Nugent .....	713-910-5945
Messier Objects .....	Novice Committee (see inside front cover)	
Photometry .....	Open	
Radio Telescopes .....	John Hiatt .....	713-464-4010
Satellites, Artificial .....	Open	
Solar Observing .....	Larry Mitchell .....	281-448-8700
Spectroscopy .....	Open	
Thin Crescent Moons .....	Don Pearce .....	713-432-0734
Telescopes .....	Clayton Jeter .....	281-383-1337
Variable Stars .....	Barbara Wilson .....	281-933-1289
	Tom Williams .....	713-526-2868
Video .....	Larry Mitchell .....	281-448-8700

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# Observatory Corner

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By Michael B. Dye Observatory Chairman



The long awaited banquet will be Saturday, August the 2<sup>nd</sup>. The speaker is not the same one as originally announced. The new speaker will be Dan Joyce and he will be giving a talk on Observing Mars – A Special Opportunity (same talk). The dinner will cost \$26.00 per person and will be at the West Loop Marriott, 1750 west Loop South at San Felipe. The dinner choices will be (1) London Broil, (2) Chardonnay Basil Chicken or (3) Vegetarian Plate. Marge Nunez is the Banquet Chair-

man and the committee members are Judy Dye, Don Pearce and Hanna Lange. Please send your check to Marge Nunez at 1912 Hawthorne, Houston TX 77098. Please make the check out to the "Houston Astronomical Society". Please enclose a registration sheet that should be in this month's *GuideStar*, and was for sure in last months *GuideStar*.

The Annual Picnic will be on September 20<sup>th</sup> this year. I plugged the picnic back in the January 2003 *GuideStar* and again last month. We will use the same format as we used in 2002. I am advertising this activity now so that the various members who don't pay attention will have a chance to get ready. This year I am looking for volunteers to help me. I have had one person volunteer to cook and Mary Lockwood has volunteered to help with the children's games. I still need at least one more person to cook about four people to help setup the tables and food. The people who would like to volunteer can E-mail me at [mbdye@rice.edu](mailto:mbdye@rice.edu) or [mbdye@aol.com](mailto:mbdye@aol.com).

The Picnic will be held the same night as the Members Observatory Night. Again this year I have appointed myself Picnic Chairman and (except for the weather) this has worked out well. Because of this, I am repeating the process and reappointing myself as 2003 Picnic Chairman. I am going to use the same formula we used last year. Instead of the Observatory Committee again supplying the meat (hamburgers and hot dogs), buns (also hamburger and hot dog), Ice Tea and maybe some soda (Coke, Pepsi, etc.) and other good stuff for free, we are going to ask for a small donation on a per person basis. This worked out fairly well last year, and this year

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## ***Observatory Corner... from previous page***

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I will ask for a donation of \$5.00 person or \$10.00 per family. I am asking the membership to attend the picnic and bring a covered dish of some sort (salad, vegetable, or desert) large enough to feed a few extra people. I will make one more plug in the September issue of the *GuideStar* in order to find out how many people will be attending. Anyway please remember to reserve the 20<sup>th</sup> of September for the Annual Picnic out at the Observatory Site.

The last item will be something rather unusual. Again I am looking for volunteers (this seems to be all I do) to help paint the Observatory. This time I have managed to find someone to supervise the "Paint the Observatory" group. This illustrious volunteer is one of our newest Observatory Key holders, Preston J Engebretson. Preston has not worked out a date for the painting activity but it will most likely be in September, October or November (when it should be cooler). The group will consist of about five people who will work over one weekend (early Saturday through Sunday). Please call or E-mail me if you would like to volunteer.

The Society continues to benefit from members who shop at Randalls and now Kroger's. For this we (the Society) thanks you. Please link your Randalls card to the Houston Astronomical Society so that the society can benefit from the Randalls program. Our number is #6618. This is very easy to do, just go to the Courtesy Booth and tell the person there what you what to do. If you shop at Kroger, we now have a card available (at the General Meeting) that you present at the cash register when you check out. We can thank Joe Khalaf (Publicity Chairman) for his efforts in getting the cards.

***Please fill out the appropriate log form when you use the site.*** Remember we use these forms as attendance records and to report Observatory Site problems such as broken toilets.

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# **Minutes of the H.A.S. General Membership Meeting 11 July 2003**

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The Meeting was called to order at 8:06pm by President Kirk Kendrick. He gave a brief welcome to the club.

There were 2 new members and 4 visitors to the club.

There were ten announcements to follow:

- ⇒ Michael Dye announced that the Annual Picnic will be held at the Observatory on Saturday, September 20, starting at 3pm. This coincides with Member's Observatory Night.
- ⇒ The H.A.S. Board Meeting will be held on July 31, the night before the membership meeting on August 1. The Board will meet at the university of St. Thomas at 7:30pm in room 118 of the science building; all members are welcome to attend.
- ⇒ Barbara Wilson gave a report on what is visible on Mars currently along with a description of the current opportunity to get an excellent view of the planet. She gave some recommendations on observing Mars, discussed the recent Hellas Basin Dust Storm event, and took questions from the general membership.
- ⇒ Bill Leach asked the membership to sign a notebook he passed and informed people that members can contact other members via e-mail, phone, cellphone, etc. Simply send an e-mail containing only that information you want others to know to [stradley@sbcc.com](mailto:stradley@sbcc.com).
- ⇒ Kirk Kendrick shared that members' observations of Mars are posted on the club website. He also announced the availability of Kroger share cards to benefit the H.A.S. as well as the fact that Matt Delevoryas is acting treasurer at this meeting.
- ⇒ Leland Dolan announced that among this evening's door prizes, a book with an article written by an H.A.S. member, will be available. The book is entitled "Seeing in the Dark". He also

*Continued...*

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## ***Minutes... from previous page***

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- shared that this was his 45<sup>th</sup> anniversary as an H.A.S. member.
- ⇒ Don Pearce gave the comet report starting with C2001 Q4 (NEAT), the potentially bright comet of May 2004. Currently at 5AU from the Earth and Sun, it is brightening as it approaches both, and is expected to be bright by May.
    - C2002 O7 LINEAR, magnitude 12.7, slowly brightening but moving due south. It will be brightest when in Antlia and Octans, but that's not good for us
    - Two periodic comets are visible: Comet 65P/Gunn, at magnitude 12.5 is moving westward in Sagittarius. He observed this comet from North Texas on June 29 and estimated its magnitude at 12.5, coma diameter 1 arc minute. The comet had made its closest approach on June 27. Despite being magnitude 12.5, it is quite hard to see, even in a large telescope.
    - The second periodic comet, 116P/Wild 4, is also at magnitude 12.5 and moving southeastward in Libra. It is well placed as it moves toward Scorpius.
  - ⇒ Ken Drake added that the Astronomical League will start to give out comet certificates as an observing award. To win this award, one must observe at least 12 comets, 2 of which can be before 2000, all with "appropriate documentation". In addition, the Gold Award will be given to those who observe 18 additional comets—for a total of 30 (again, with "appropriate documentation").
  - ⇒ Hannah Lange announced a star party at Space Center Houston on July 14 at dusk. For the banquet on August 2, Daniel Joyce will speak in place of Troiani. Joyce is an Earth Space science editor for the Cernan Space Center. He is also assistant Mars coordinator for the Association of Lunar & Planetary Observers. The banquet will be at the West Loop Marriott, with registration at 6:30pm (\$26 per person), registration forms available with Judy Dye.
  - ⇒ Kirk Kendrick added that the Guidestar is a good source of information as well as the club website, [www.astronomyhouston.org](http://www.astronomyhouston.org)

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## ***Minutes... from previous page***

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John Blubaug introduced tonight's speaker, Ed Ting, who gave a presentation on "The Best and the Worst—Today's Astronomical Equipment, a Review".

Kirk Kendrick announced door prizes to be awarded after a quick 7-minute break.

The meeting was adjourned at 9:44pm after the awarding of the door prizes.

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## ***Observations... from page 4***

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focal length)/(eyepiece focal length). Likewise, by rearranging the factors of the equation,  $\text{eyepiece (fl)} = (\text{telescope focal length})/(\text{magnification})$ . My telescope has a focal length of 540mm, so if I want a power of 200, the eyepiece that I need is  $540\text{mm}/200 = 2.7\text{mm}$ . Anybody got a 2.7mm eyepiece laying around?

I thought not. I do have a 7mm eyepiece, and I have a x2 Barlow. The effective focal length of the eyepiece with the Barlow is 3.5mm (pretty close) and this combination will give me a magnification of 154. So, when Mars is 25 arc-seconds (end of August), and I'm using 154 power, I'll see an object about 64 minutes across. This is about twice the diameter of the moon seen with the naked eye. So, imagine looking at the moon with x2 magnification, that's about what I'll see.

Having said that, there are occasions when the seeing is very good and during which you can exceed the 50x/inch magnification limit. We'll see if any exceptional seeing conditions happen this time around. If I need that, I also have a 5x Barlow, which gets me to 385 power. Yikes!!!

I hope you all get to see Mars on the best of nights and enjoy some superb observations. If you'd like to put them in the September (or October) GuideStar, send them too me, and I'll share them here.

***Until next time... clear skies and new moons!***

***..Bill***

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# ***Marg's Star Parties***

## ***...Need Folks and Scopes***

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Here's your chance to share your enthusiasm for astronomy with some kids. Marg Nunez has planned events for the near future. Bring your telescope, or just come by...

.Call or Email Marg for more details. 713-529-2549  
**Marg10@flash.net**

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***GuideStar deadline  
for the September  
issue  
is August 15***

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# ***Observatory Duty Roster***

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*by Michael B. Dye, Observatory Chairman*

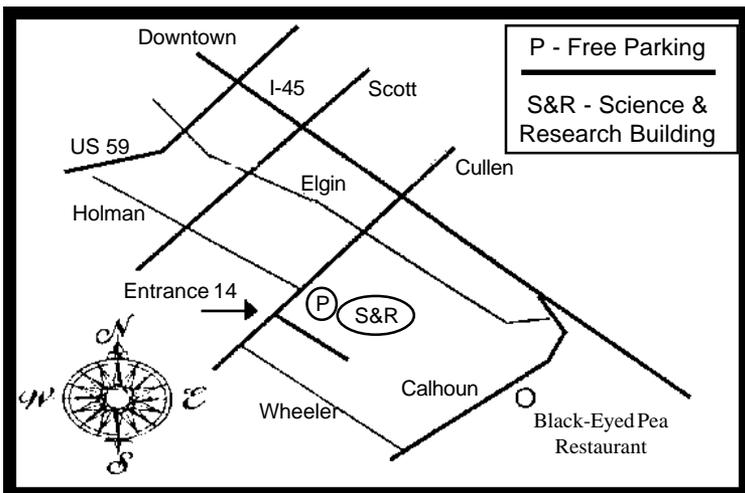
This is the duty list for August, September and October. If you are listed in this roster, please be sure to contact your supervisor for any information that you may need and the date and time to be at the site. You may change from site duty to open house or from open house to site duty by pre-arrangement with the Site Supervisor for that month. Changes between months require Observatory Chairman coordination.

**August Supervisor ..... Matt Delevoryas ..... 713-662-2939**  
Brian Cudnik ..... Site  
Victor Flores ..... Site  
Jean-Marc Follini ..... Site  
David Herlinger ..... Site  
Fred Garcia ..... Members Observatory Night 08-16-03  
Bob Menius ..... Site  
Clayton Jeter ..... Site  
Stanley Jones ..... Members Observatory Night 08-16-03  
Keith Jurgens ..... Members Observatory Night 08-16-03

**September Supervisor ..... Allen Gilchrist ..... 281-443-8773**  
Arnie Kaestner ..... Site  
David Kahlich ..... Site  
Larry Karasevich ..... Site  
Robert Kuna ..... Members Observatory Night 09-20-03  
Jay Levy ..... Site  
Mary Lockwood ..... Members Observatory Night 09-20-03  
Christopher Mendell ..... Site  
Kenneth Miller ..... Site  
Larry Mitchell ..... Members Observatory Night 09-20-03

**October Supervisor ..... Logan Rimes ..... 713-681-5397**  
Debbie Moran ..... Site  
Ben Negy ..... Members Observatory Night 10-18-03  
Johnny Norris ..... Site  
Richard Nugent ..... Members Observatory Night 10-18-03  
Ralph Overturf ..... Site  
Don C. Pearce ..... Members Observatory Night 10-18-03

Please remember that Site work can be done anytime and does not have to be done just before Members Observatory Night. Contact your Site Supervisor for details. Names are selected for Site Duty using the current Alphabetical listing for Observatory Key Holders. If any member knows of a conflict please call me before your name is listed.



### General Membership Meeting

The Houston Astronomical Society holds its regular monthly General Membership Meeting on the first Friday of each month, unless rescheduled due to a holiday. Meetings are in Room 117 of the Science and Research Building at the University of Houston. A Novice Presentation begins at 7:00 p.m.. The short business meeting and featured speaker are scheduled at 8:00 p.m. Also typically included are Committee Reports, Special Interest Group Reports, current activity announcements, hardware reviews, an astrophotography slide show by members and other items of interest.

### Board of Directors Meeting

The Board of Directors Meeting is held on dates scheduled by the board at 7:00 p.m. in Room 106 of the Space Science Building at Rice University. Call StarLine for Board Meeting information. Information provided to GuideStar will be published. The meetings are open to all members of the Society in good standing. Attendance is encouraged.

### GuideStar Information

The H.A.S. *GuideStaris* published monthly by the Houston Astronomical Society. All opinions expressed herein are those of the contributor and not necessarily of Houston Astronomical Society. The monthly Meeting Notice is included herein. *GuideStaris* sent via bulk rate mail to Regular, Student, and Honorary Members of H.A.S., selected individuals and recent visitors to the General Membership Meeting. Contributions to *GuideStar* by members are encouraged. Electronic submission is helpful. Submit the article in ASCII text, MS-Word (preferred), or WordPerfect format on an IBM format floppy or via AOL (BILLP10566). Mail copy to the address shown on the outside cover or to the editor at 256 East 5th Street, Houston, TX 77007. Copy must be received by the 15th of the month for inclusion in the issue to be mailed near the end of the same month. Or, bring copy to the General Membership Meeting and give it to the Editor, or phone to make special arrangements.

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