**Annual Banquet Information**

**When:** Sunday, January 28, 2007, 6 PM (we might get in earlier then 6 if it can be arranged)

**Where:** The Odyssey restaurant, in Granada Hills, overlooking the San Fernando Valley. The Odyssey is located at the top of the hill on Odyssey Drive, off of Blucher St. next to the intersection of Sepulveda and Rinaldi, not far from the northern intersection of the 5 & 405 freeways.

15600 Odyssey Dr.  
Granada Hills, CA 91344  
Phone: (818) 366-6444  
http://www.theodysseyrestaurant.com/

Cost: $40 in advance, $45 at the door (as announced by Secretary De Hoff at the November meeting). Make checks out to LAAS and send to the Treasurer at:

Los Angeles Astronomical Society  
c/o Darrell Dooley  
1815 Avalon Street  
Los Angeles, CA 90026

Speaker to be determined. The bad Astronomer, Phil Plait, can't make it. Mike Brown from Caltech, the discoverer of Eris, aka 2003 UB313, has been asked and we’re awaiting a reply. ✷

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**For Sale**

Fully equipped Celestron 8-inch Schmidt-Cassegrain telescope. This fine instrument was donated by former president Tom Wallace, with all proceeds going towards support of LAAS activities. The complete package contains:

- Classic 1970s vintage orange tube telescope
- Corrector plate is heated
- Tripod with steel legs
- Equatorial wedge
- Right angle 1.25-inch visual back
- Right angle 2-inch visual back
- 3-inch diameter off-axis white light solar filter
- Piggy back camera mount
- Counterweight set
- 8x50 University Optics finder
- Celestron drive inverter

Asking price: $900 or best offer

Contact Dave Sovereign if interested ✷

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**Not the Little Dipper**

By Tim Thompson

The Pleiades open cluster is the 45th object on the list of objects that French astronomer Charles Messier never wanted to look at. But we don’t need to be so picky. A spectacular sight in the winter sky, the Pleiades are not simply naked eye, they are so naked eye you can even see them from the heart of the city. Every public (Continued on page 4)
Editor’s Message

The reopening of Griffith has come and gone, and our first meeting in the new Leonard Nimoy Event Horizon Theater was a success, as was the Mercury transit event.

The traditional Show and Tell meeting has been moved to February instead of December. The speaker in December is Larry Weintraub, a 4th year grad student who will speak on the cosmic background radiation.

For the Show and Tell meeting, one warning — the new slide projectors in the theater are not capable of focusing on the main screen, and at press time there isn’t any solution other than to wait for the new lenses to come in. Please continue to read this column for more news on this, but I anticipate that the situation will clear up by the New Year. However, if it hasn’t, then we might consider moving the meeting to the adjoining classroom, which can only accommodate 30 to 40 people.

Absentee ballot for board positions is in the middle of this bulletin. Please vote thoughtfully. The LAAS is going through a transition period just as Griffith Observatory is.

If members want to attend an event at Griffith as a member of the LAAS and get the parking on the hill, the LAAS Secretary needs to have their name on a list so it can be passed on to Griffith Observatory.

(Continued on page 3)
(NOTE: this is a reprint of the previous month’s loaner corner, as Dave is still on the mend.)

Jupiter is slowly slipping into the western sky while the Andromeda galaxy, M31, and the Pinwheel galaxy, M33 are rising to the zenith. The cold breath of winter will soon bring with it the cold, crisp nights. Borrow one of the loaner telescopes now.

LAAS-1 is a small Newtonian on an equatorial mount, ready to be checked out.

LAAS-7 – 80mm Meade refractor on an Orion Sky View Deluxe equatorial mount. This telescope is fully equipped with a pair of Plossl eyepieces, an Orthoscopic and a star diagonal. This instrument is especially good on the moon, planets, and double stars.

LAAS-9 – 8” f/4.5 is available. It is on a Dobsonian mount and come equipped with a set of Plossl eyepieces. It has a Dob Driver II that, unfortunately, has problems, however the telescope itself is solid and gives good images. This short focus Newtonian is good for the Pleiades star cluster, M45, and the Orion nebula, M42, that will be rising soon.

As can be seen from the previous short list of available telescopes there is only one left to be checked out at this time. Several of the instruments are overdue.

LAAS-3 is overdue by 2 years and 1 month.
LAAS-4 is overdue by 3 months.
LAAS-5 is overdue by 1 year.
LAAS-6 is overdue by 1 year.
LAAS-8 is overdue by 3 months.

For further information concerning these loaner telescopes call: David Sovereign at (626) 794-0646.

everyone is already on that list. But it does include public star parties. If you want to bring someone who is not a member of the LAAS to any LAAS event, including general meetings, then the Secretary also needs their name. Contact Peter De Hoff, the LAAS Secretary, at secretary@laas.org

if you have questions or names to add to the list. It is hoped that these rules will be relaxed or modified once the newer staff at GO gets more used to the LAAS.

The new address to send all written correspondence to, other than bulletin material, is:

LAAS
2800 East Observatory Road
Los Angeles, CA 90027.

The deadline for submitting bulletin material is the 10th of each month. Please submit electronically, if possible, to BulletinEditor@laas.org. All other material may be sent to the above address, but timely reception and publication cannot be guaranteed.

David Nakamoto

Lost Jacket

At the last Mt. Wilson night, someone left a double extra large jacket, beige on the inside and black on the outside. If you know who’s it is, please contact Norm Vargas (626) 288-4397.

David Nakamoto

Mt Wilson 60” Nights

There are currently no more Mount Wilson 60” nights scheduled. Please send any suggestions for possible future nights to Secretary@laas.org.

David Nakamoto

LAAS Yahoo Group

Some have asked me how to join the LAAS Yahoo group. The group is private, and therefore does not come up in a search. You can join by sending email to: LAAS-subscribe@yahoogroups.com with your full name so the moderator can verify your membership in the LAAS. Your full name is necessary so we can check our records to see if you really are a member of the LAAS. If approved, you will receive further instructions via email.

David Nakamoto
star party that includes an opportunity to see the Pleiades also includes an opportunity to hear yet another non astronomer point to them and exclaim, “the little dipper”! Trust me, the Pleiades are not the little dipper.

The origin of the name Pleiades is unknown, but my guess is that it comes from the Greek word peleiades, meaning “flock of doves”. At least this is consistent with the extensive lore of The Seven Sisters, another common name for the Pleiades. A compressed version of the usual Greek myth is that the hunter Orion saw the seven sisters one day, took a fancy to them, and chased them around for seven years. Eventually, Zeus responded to their plea for delivery by transforming them into doves, and placing them in the sky. When the scorpion bumped off Orion later, he was carefully placed right behind the Pleiades, where he could chase them forever, but never catch them. The Gods were even nice enough to put Orion on the opposite side of the sky from the dreaded Scorpius. Look in Burnham’s legendary handbook, and you can read 8 pages about the myth of the Pleiades, more than I care to go into here.

The Pleiades are the nearest open cluster to us, and so you would think that we had a pretty good handle on the distance. But then the much-anticipated Hipparcos satellite, designed for precision parallax measurements, returned a distance for the Pleiades of 118±4 parsecs for M45 (1 parsec is 3.26 light years, and refers to the distance represented by 1 arc second of trigonometric parallax). This was about 10% less than the accepted value, and set off a real controversy. Was Hipparcos all wrong? Were our models for stellar distances all wrong? Since then there has been a flurry of astrometric activity to determine the true distance to M45. The parallax has been re-measured using the Hubble Space Telescope, studies of eclipsing and non-eclipsing binaries provide trigonometric distances, and modeling the main sequence for the cluster HR diagram also provides a distance. All of the new distance measures independently agree that the Hipparcos distance is wrong, and the true distance to the Pleiades is about 135 parsecs (440 light years). This is important because M45 is one step in the cosmic distance ladder. Clusters that are too far away to measure the distance directly are compared with the Pleiades, and the distance determined in proportion the Pleiades distance. If the Pleiades distance is wrong, so are all the others. So there are a lot of astronomers anxious to get it right.

Then there is the problem of their age. Through most of the 1990s the age of the Pleiades was accepted to be about 75 million years, determined by fitting the main sequence turn off in the cluster HR diagram to stellar evolution models. But later infrared observations of very low mass stars in the cluster, combined with difficult spectroscopic measurements of lithium abundances, contradicted an age that young. The newer observations suggested an age as high as 119 million years. A resolution of the contradiction is found by including a more careful treatment of convection in the internal models of stars. That change in the main sequence fitting changes 75 million to about 115 million, close enough to 119
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At this year’s RTMC, Robin and Todd Mason spoke about their new documentary, The Journey to Palomar, about the life of George Ellery Hale who built Yerkes, Mount Wilson and Palomar Observatories. Robin and Todd are now screening the completed documentary at special fundraising events, to raise funds towards getting the film on PBS and to raise awareness among those who are most passionate about the subject.

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The venues are special but small so seating is very limited. Questions should be directed to Mike Simmons at msimm@ucla.edu

Map to Monterey Park Observatory

(The place to build your telescope)

Garvey Blvd
Garfield Ave
Alhambra Ave
Valley Blvd
New Ave
Del Mar Ave
San Gabriel Blvd
Orange Ave
Graves Ave
10 Freeway

Garvey Ranch Park Observatory

(Continued on page 6)
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Constitutional Change
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Article 4: Officers

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These proposals will be voted on during the December 2006 General Meeting at the same time when the BOD and Officers are elected. The LAAS Constitution and By-Laws will be posted on the website shortly and are available upon request, and with proper lead time, in paper form to any LAAS member in good standing. If you have questions or comments about this, please email the LAAS Secretary at secretary@laas.org
Los Angeles, CA 90027
2800 East Observatory Road
Los Angeles Astronomical Society
c/o Griffith Observatory

Address Service Requested

ABSENTEE BALLOT

Voter Name: ____________________________

Address:________________________________________________________________________

Stamp Here

Fold Here
Absence Ballot

This is the LAAS Absentee Ballot for the election of the LAAS Board and Officers for 2007. In order to be counted, this ballot must be in the Griffith Observatory Mailbox by December 9th, 2006. Post Marks are NOT ACCEPTABLE. Fold the ballot, seal the end, stamp it, and mail. (Alternatively put it into another envelope) You may vote by circling the name(s) of the people whom you want elected. You may circle one for each of the officers and up to 10 for the board. The top 10 vote-getters for the board election become the LAAS board with #10 becoming the alternate. The top vote getter for each of the officer positions will become that officer. You may write in any LAAS members name to run for any of the positions and they will be counted.

You may circle yes or no for the proposed changes to the LAAS Constitution.

If you choose to vote at the general meeting on the 11th of December, then your absentee ballot will not be counted. Ballots must have the name of the LAAS member who is voting on the address page of the Absentee ballot or else the ballot will not be counted.

Abbreviations

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>P: President</td>
<td>BM: Board Member</td>
</tr>
<tr>
<td>VP: Vice President</td>
<td>SMC: Star Member Chair</td>
</tr>
<tr>
<td>AS: Acting Secretary</td>
<td>OC: Outreach Coordinator</td>
</tr>
<tr>
<td>T: Treasurer</td>
<td>NMC: New Member Coordinator</td>
</tr>
<tr>
<td>BE: Bulletin Editor</td>
<td></td>
</tr>
</tbody>
</table>

President (Circle One)

Dave Sovereign (P)
Current LAAS President and Loaner Program Administrator. I like being president where I am in a position to serve the Society in a larger manner.

Vice President (Circle One)

Mary Brown (VP)
Member of the GO Staff. Essential contributions to LAAS operations especially concerning LAAS/GO relations.

Larry Guerra (BM)
Attends many LAAS Outreach and Public Activities, Significant Contributions to LAAS Projects

Secretary (Circle One)

Peter De Hoff (AS)
No statement submitted

Treasurer (Circle One)

Darrell Dooley (T)
No statement submitted

Board of Directors (Circle Ten)

Marci Carlin
I have worked for the last 25 years in the Themed Entertainment Industry focusing on "entertainment with a message". Through my 25 years I have worked on numerous corporate message projects for NASA at JSC, KSC and JPL (among others). I have always been an intense advocate for the exploration of space but I strive to increase my knowledge and look to LAAS to help me achieve a greater understanding of our sky. In exchange I wish offer to LAAS my managerial skills.

Jerry Darby
I have been a member of the Monterey Park Astronomical Society and the LAAS on and off since 1965. I have never run for office and I think it's about time I did. Astronomy is my passion but my profession is as an electronics technician for the past 30 years. I also worked at the Mount Wilson Observatory in the late 70's and early 80's as an observatory technician and night assistant.

Don DeGregori (BM/OC)
I'm currently on the LAAS board, serving as the Outreach Coordinator for school Star Parties. When requests are received, I use an e-mail list to ask for volunteers, and include all pertinent info about the star party. I enjoy doing this, and believe I can continue to carry on as a re-elected LAAS board member. My other hobbies include Amateur Radio, building electronic equipment and teaching Seniors about how to use the Internet. Currently retired from AT&T with 35 years service.

Dale Devine
Long term LAAS member
<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
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<tr>
<td>Reginaldo Flores</td>
<td>Extensive participation in LAAS outreach and public activities. Astrophotographer of merit. Friendly electrician.</td>
</tr>
<tr>
<td>Marcel Kloetzer</td>
<td>I am a native German, bilingual in English and German. In Germany I worked as an engineer with an economics background. Since coming to the US I am taking classes in Astronomy, GIS, and IT/Programming. Currently I’m working for Berlitz teaching German. Still a boy scout at heart I enjoy finding and showing the path by the night sky.</td>
</tr>
<tr>
<td>Herbert Kraus</td>
<td>I am a retired lawyer, a former director and treasurer of my local Audubon society, and an enthusiastic participant in LAAS’ school outreach program. I am a candidate for the LAAS board of directors because, believing that public understanding -- particularly among young people -- of astronomy, and science in general, is important to the future of our large and diverse community, I would like to make whatever contribution I can to our society as a source of information about these subjects.</td>
</tr>
<tr>
<td>Ralph Kroy</td>
<td>Coordinator on preparing alternate LAAS Dark Sky Site. Active member of amateur astronomy community.</td>
</tr>
<tr>
<td>William Llano</td>
<td>Long term LAAS member.</td>
</tr>
<tr>
<td>Herman Meyerdieriks</td>
<td>Long term LAAS member. Runs the Star Member program. Bird watcher, Voted “Best Eyes” by the LAAS for 12 years running. (JK)</td>
</tr>
<tr>
<td>Ernesto Montano</td>
<td>Fresh LAAS member with many new ideas.</td>
</tr>
<tr>
<td>Dave Nakamoto (BE)</td>
<td>JPL engineer for 20 years, amateur astronomer for nearly 30 years, Secretary for the JPL Astro Club for 19 years, Bulletin Editor for the LAAS for over a year, written one article printed in Sky and Telescope, volunteer at many a public star party.</td>
</tr>
<tr>
<td>Rob Redding (NMC)</td>
<td>Active acting member of the LAAS board. New Member Coordinator.</td>
</tr>
<tr>
<td>Kimberly Stober (BM)</td>
<td>I am an active member of the board. I am an architectural designer and an engineer in advanced technology where my specialization is in precision motion control and digital image manipulation. I am also a developer of innovative tools for astronomy. I would like to have the opportunity to be a continuing part of the LAAS mission to open new horizons in understanding our universe and encourage member participation in the study of the heavens.</td>
</tr>
<tr>
<td>Tim Thompson (Former P, Former BM)</td>
<td>Former LAAS President &amp; board member (17 years total); professional JPL astrophysicist. I want to see LAAS live long &amp; prosper.</td>
</tr>
<tr>
<td>Virginia Ward (BM)</td>
<td>Active member of the LAAS board.</td>
</tr>
<tr>
<td>Michael P. White</td>
<td>I think I would be a good Board member as I attend 99% of ALL of our clubs’ functions, so I see first hand where I think our Club could improve upon itself. I volunteer for the Catalina Island Conservancy, an am active member of the California Turtle and Tortoise Club, and take part in the American Cetacean Society's Annual Gray Whale Census from the Point Vicente Interpretive Center. With my Public Interaction and Administrative Experiences in the LAAS and these other societies, I believe that I can help the LAAS. I have what I think are some very good ideas that can only come to fruition through board level participation, and which will help build upon our club. I think that with the help of others on the Board, as well as the general membership, we can keep moving the club forward to new heights.</td>
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Write In: ________________________________

Write In: ________________________________

**Constitution Changes**

<table>
<thead>
<tr>
<th>Article 3</th>
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On this and the next page are two “views” of the Pleiades. This image is by Robert Gendler. Image copyright Robert Gendler. http://www.robgendlerastropicals.com/
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**Map to Monterey Park Observatory**

(The place to build your telescope)

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The tail of Comet Macholz extends across the Pleiades, on January 5, 2005.

Image copyright Stefan Seip in Austria ... http://www.photomeeting.de/astromeeting/_index.htm

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million to make everybody happy. Indeed, the uncertainties are large enough that we can’t really tell the difference between 115 and 119 anyway. So the Pleiades can be comfortably pegged at “about 117 million years old”, give or take a few million.

Pictures of the Pleiades show clouds of dust & reflection nebulae, commonly assumed to be the leftover dregs of the cloud from which the Pleiades formed. But not so, the nebula is actually moving across the star cluster with a fairly high relative speed of about 10 kilometers per second. It is a chance association, though a spectacular one as well.

The stars are moving relative to each other too. The Pleiades cluster has a high “velocity dispersion”, which means there is a wide range of velocities relative to each other. In fact, some sources claim that the Pleiades do not properly constitute a cluster, and call them the “Pleiades moving group”. In any case, whether “cluster” or not, in about 250 million years or so, the Pleiades will have spread out into surrounding flow of stars, and will no longer be readily recognizable as the cluster we see today. The Pleiades are a relatively sparse cluster, about 500 stars spread over a fairly large volume, so their combined gravity cannot hold them together indefinitely.

(Continued on page 6)
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Date: Friday, Dec 1st
Time: 6 to 9 pm
Name of School: Kester Elementary
Address: 5353 Kester Ave.
Sherman Oaks, CA
Contact: Judy Santos
Phone #: 818-784-7004
Location to set-up: On school grounds. Use Lemona gate entrance. AC power is available, security lights will be dimmed or off.

Web page: http://www.lausd.k12.ca.us/Kester_EL/index2.html

Date: Friday, Dec 1st
Time: 6 - 9 pm
Name of School: Prisk Elementary School
Address: 2375 Fanwood Ave.
Long Beach, CA 90815
Contact: Candy Jennings
Home: 562-493-4936
School Phone #: 562-598-9601
Location to setup: Playground at lunch benches
Parking is very close to above location
AC Power should be available
Security lights will be dimmed or off.

Web page: http://www.lbusd.k12.ca.us/prisk/home.html
Map: http://maps.google.com/maps?oi=map&q=2375+Fanwood+Ave.+Long+Beach+CA

We need Outreach volunteers for these two Star Parties. I will not be able to attend, for have scheduled a vacation out of town from Nov 30th to Dec 7th. So, please let me know ASAP on which location you will be able to attend.

Thanks in advance
LAAS Outreach 818-891-3087. ✦

Don DeGregori
Jupiter is slowly slipping into the western sky while the Andromeda galaxy, M31, and the Pinwheel galaxy, M33 are rising to the zenith. The cold breath of winter will soon bring with it the cold, crisp nights. Borrow one of the loaner telescopes now.

LAAS-1 is a small Newtonian on an equatorial mount, ready to be checked out.

LAAS-7 – 80mm Meade refractor on an Orion Sky View Deluxe equatorial mount. This telescope is fully equipped with a pair of Plossl eyepieces, an Orthoscopic and a star diagonal. This instrument is especially good on the moon, planets, and double stars.

LAAS-9 – 8” f/4.5 is available. It is on a Dobsonian mount and come equipped with a set of Plossl eyepieces. It has a Dob Driver II that, unfortunately, has problems, however the telescope itself is solid and gives good images. This short focus Newtonian is good for the Pleiades star cluster, M45, and the Orion nebula, M42, that will be rising soon.

As can be seen from the previous short list of available telescopes there is only one left to be checked out at this time. Several of the instruments are overdue.

LAAS-3 is overdue by 2 years and 1 month.
LAAS-4 is overdue by 3 months.
LAAS-5 is overdue by 1 year.
LAAS-6 is overdue by 1 year.
LAAS-8 is overdue by 3 months.

For further information concerning these loaner telescopes call: David Sovereign at (626) 794-0646.

Lost Jacket

At the last Mt. Wilson night, someone left a double extra large jacket, beige on the inside and black on the outside. If you know who’s it is, please contact Norm Vargas (626) 288-4397.

Mt Wilson 60” Nights

There are currently no more Mount Wilson 60” nights scheduled. Please send any suggestions for possible future nights to Secretary@laas.org.

LAAS Yahoo Group

Some have asked me how to join the LAAS Yahoo group. The group is private, and therefore does not come up in a search. You can join by sending email to: LAAS-subscribe@yahoo.com with your full name so the moderator can verify your membership in the LAAS. Your full name is necessary so we can check our records to see if you really are a member of the LAAS. If approved, you will receive further instructions via email.

David Nakamoto

Contact Peter De Hoff, the LAAS Secretary, at secretary@laas.org if you have questions or names to add to the list. It is hoped that these rules will be relaxed or modified once the newer staff at GO gets more used to the LAAS.

The new address to send all written correspondence to, other than bulletin material, is:

LAAS
2800 East Observatory Road
Los Angeles, CA 90027.

The deadline for submitting bulletin material is the 10th of each month. Please submit electronically, if possible, to BulletinEditor@laas.org. All other material may be sent to the above address, but timely reception and publication cannot be guaranteed.

David Nakamoto

everyone is already on that list. But it does include public star parties. If you want to bring someone who is not a member of the LAAS to any LAAS event, including general meetings, then the Secretary also needs their name.
Editor’s Message

The reopening of Griffith has come and gone, and our first meeting in the new Leonard Nimoy Event Horizon Theater was a success, as was the Mercury transit event.

The traditional Show and Tell meeting has been moved to February instead of December. The speaker in December is Larry Weintraub, a 4th year grad student who will speak on the cosmic background radiation.

For the Show and Tell meeting, one warning — the new slide projectors in the theater are not capable of focusing on the main screen, and at press time there isn’t any solution other than to wait for the new lenses to come in. Please continue to read this column for more news on this, but I anticipate that the situation will clear up by the New Year. However, if it hasn’t, then we might consider moving the meeting to the adjoining classroom, which can only accommodate 30 to 40 people.

Absentee ballot for board positions is in the middle of this bulletin. Please vote thoughtfully. The LAAS is going through a transition period just as Griffith Observatory is.

If members want to attend an event at Griffith as a member of the LAAS and get the parking on the hill, the LAAS Secretary needs to have their name on a list so it can be passed on to Griffith Observatory. This does not include general meetings as (Continued on page 3)
Annual Banquet Information

When: Sunday, January 28, 2007, 6 PM (we might get in earlier than 6 if it can be arranged)

Where: The Odyssey restaurant, in Granada Hills, overlooking the San Fernando Valley. The Odyssey is located at the top of the hill on Odyssey Drive, off of Blucher St. next to the intersection of Sepulveda and Rinaldi, not far from the northern intersection of the 5 & 405 freeways.

15600 Odyssey Dr.
Granada Hills, CA 91344
Phone: (818) 366-6444
http://www.theodysseyrestaurant.com/

Cost: $40 in advance, $45 at the door (as announced by Secretary De Hoff at the November meeting). Make checks out to LAAS and send to the Treasurer at:

Los Angeles Astronomical Society
c/o Darrell Dooley
1815 Avalon Street
Los Angeles, CA  90026

Speaker to be determined. The bad Astronomer, Phil Plait, can’t make it. Mike Brown from Caltech, the discoverer of Eris, aka 2003 UB313, has been asked and we’re awaiting a reply. ✡

For Sale

Fully equipped Celestron 8-inch Schmidt-Cassegrain telescope. This fine instrument was donated by former president Tom Wallace, with all proceeds going towards support of LAAS activities. The complete package contains:

Classic 1970s vintage orange tube telescope, Corrector plate is heated, Tripod with steel legs, Equatorial wedge, Right angle 1.25-inch visual back, Right angle 2-inch visual back, 3-inch diameter off-axis white light solar filter, Piggy back camera mount, Counterweight set, 8x50 University Optics finder, Celestron drive inverter

Asking price: $900 or best offer

Contact Dave Sovereign if interested ✡

Not the Little Dipper

By Tim Thompson

The Pleiades open cluster is the 45th object on the list of objects that French astronomer Charles Messier never wanted to look at. But we don’t need to be so picky. A spectacular sight in the winter sky, the Pleiades are not simply naked eye, they are so naked eye you can even see them from the heart of the city. Every public (Continued on page 4)

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Notes, corrections, questions, ideas, articles? All are welcome at: BulletinEditor@laas.org.