

The Refractor

The Bulletin of the Eastbay Astronomical Society
 Founded in 1924 at Chabot Observatory, Oakland, California

Volume 85
 Number 9

Aug 2009

August 2009 Lecture Meeting

Speaker: *To be announced*

When: Saturday, August 8th, 7:30pm

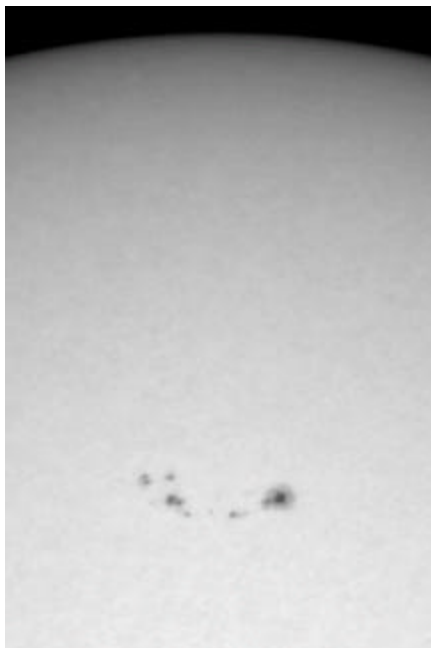
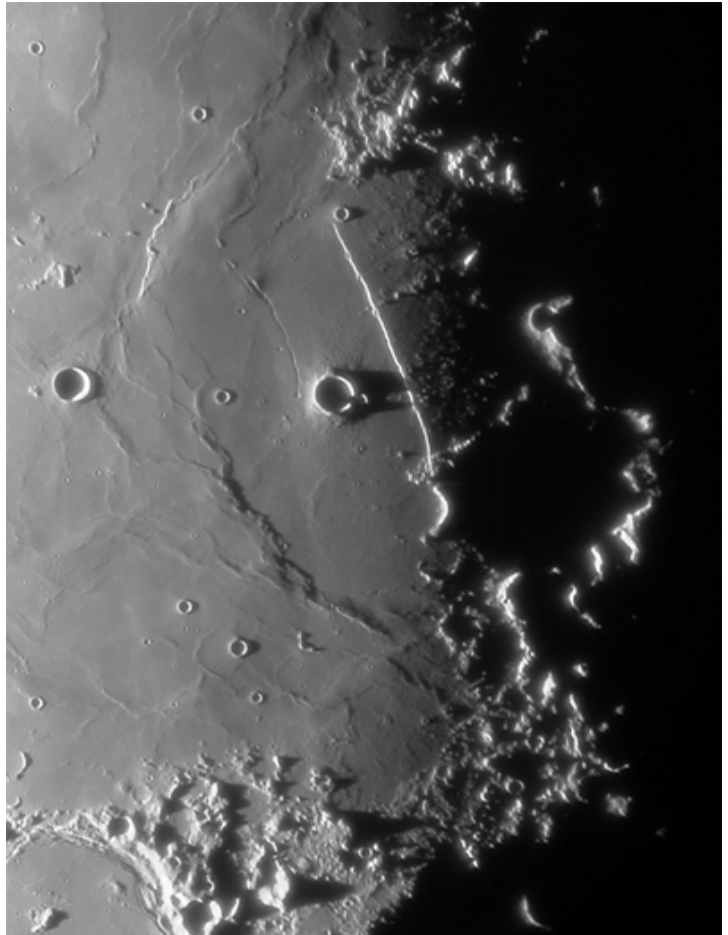
Where: Physics Lab, 2nd Floor, Dellums Building,
 Chabot Space & Science Center

EAS Member's Astrophotography

The spectacular lunar photo at right of Rupes Recta and Mare Nubium's network of wrinkle ridges in sunset light was made by **Conrad Jung** with Rachel, CSSC's 20" refractor. Conrad's photo is an outstanding example of the kind of astrophotography being done by a number of EAS members, both at Chabot and in the field with personal telescopes. This edition of *The Refractor* showcases astrophotography by several EAS members including EAS president, **Paul Hoy**; **Conrad Jung**, **Tony Rowell**, **Jim Ferreira** and terrestrial photo by our intrepid *Refractor* editor, **Don Saito**. The work of other EAS members will be showcased in future issues.

EAS members are encouraged to submit astrophotos for inclusion in *The Refractor*. E-mail image submissions to the interim editor, Jim Ferreira at bakerst@comcast.net

Below: Sunspot group, AR11024, imaged with 4 inch refractor fitted with Herschel wedge and video camera, by Jim Ferreira.



EAS Library: Hours, 3:00pm - 7:00pm every Friday, and immediately after monthly EAS lecture meetings. The library is located on the second floor of the Dellums Building, down the hall next to the interactive lunar lander exhibit.

Volunteer librarians are needed to expand library hours, if you'd like to help contact Paul Hoy at (510) 553-1225 or by E-mail at

DINNER WITH THE SPEAKER
 5:30, Sat, Aug 8

Contact Paul Hoy
 (510) 553-1225
 For location

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Clockwise, from upper left: **Lagoon and Trifid Nebulae** shot by **Paul Hoy** with a Williams Optics 80mm refractor and Canon 40d camera at the Golden State Star Party; **International Space Station** shot by **Conrad Jung** also at the Golden State Star Party; **Richard Ozer** serves up **Pan-cakes** at the Golden State Star Party, photo by **Conrad Jung**.

Want Ad: For sale: Discovery Channel 60mm (2.4") refractor on alt-azimuth mount, tripod with accessory tray, 5x 24mm finder scope, 9mm and 25mm 1-1/4" eyepieces, star diagonal -- bought new for \$200, sell for Best Offer -- contact **L. Bishop** 510-531-8382

Chabot Space & Science Center Invites EAS Members to Volunteer with Us!

- Share your knowledge of and passion for astronomy with thousands of CSSC visitors
- Experience the unique opportunity to operate Chabot's historical telescopes
- Share your own telescope at Chabot*
- Inspire young astronomers and future scientists by assisting students in our astronomy education programs

Explore these opportunities at our next Volunteer Orientation!

For upcoming orientation dates, or for more information, please contact us at: volunteers@chabot.space.org or, call our Volunteer Manager Megan Gray at (510) 336-7414

- *EAS members who are only interested in sharing their own telescope at Chabot are required to attend a Chabot volunteer orientation and complete a self-guided training worksheet entitled "Getting to know Chabot." After completion, you may join us on deck and share your own telescope any Friday or Saturday night!*

***Full Chabot Volunteers must make the regular volunteer commitment and pursue official placement through the Volunteer Manager.*



From upper left, clockwise: **Sunset Terminator** by *Jim Ferreira*, Livermore, C9.25 @ f/10, DMK21 camera; **Andromeda Galaxy** by *Paul Hoy* shot at Golden State Star Party; **Meteor Crater**, Arizona by Don Saito; **Meteor and Milky Way**, Bristlecone Cabin, White Mountains, CA, by *Tony Rowell*, 45 second exposure with Nikon D700 and off camera flash on the cabin -- Astronomy Picture of the Day (APOD) for May 1st, 2009 -- <http://apod.nasa.gov/apod/ap090501.html>

EAS Loaner Scope Program has telescopes available for rental by EAS members. Scopes include 60mm and 80mm refractors, a C-90, two 10 inch Dobsonians, and , 4 inch and 8 inch Schmidt-Cassegrains. Scope rental is \$15 a month, with a \$50 deposit. For information, contact Ray Wong at (510) 796-8475 or qm7@yahoo.com

FUTURE CONJUNCTIONS—2009

- Aug 8 EAS General Meeting, Chabot, Physics Lab, 7:30pm
- 13 Board Meeting, Chabot, Soda Board Rm, 7:30pm
- 30 EAS MOVN*, 7pm-10pm, Wightman Plaza, Chabot
- Sep 5 EAS General Meeting, Chabot, Physics Lab, 7:30pm
- 10 Board Meeting, Chabot, Soda Board Rm, 7:30pm
- 27 EAS MOVN*, 7pm-10pm, Wightman Plaza, Chabot

*Please call Gerald McKeegan at (925) 926-0853 after 5pm on the date of the MOVN to verify that it has not been cancelled due to weather or other considerations.



Eastbay Astronomical Society

At Chabot Space & Science Center
10000 Skyline Boulevard • Oakland, CA 94619

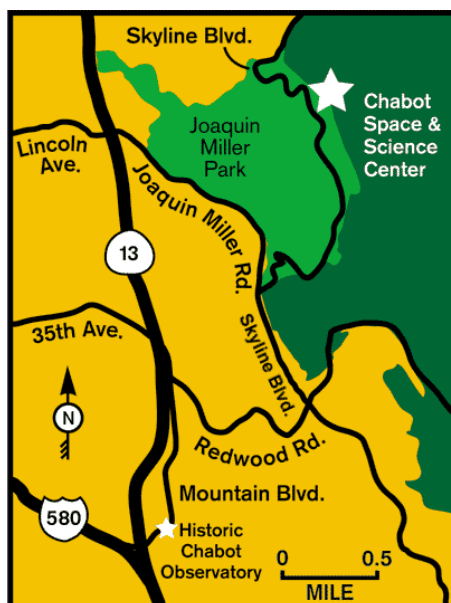
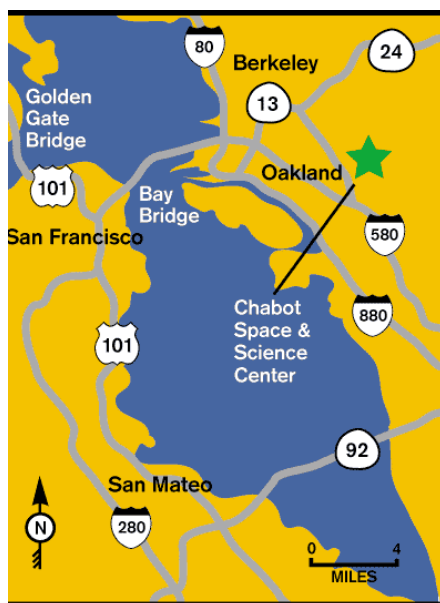
June 2009
RETURN SERVICE REQUESTED

Eastbay Astronomical Society

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Secretary: Linda Lazzaretti (510) 633-2488

Vice President: Alan Fisher
Membership Reg: Bruce Skelly EastbayAstro@gmail.com
Events Coord: Dave Rodrigues (510) 483-9191

Articles and photos for *The Refractor* are encouraged. Deadline for the Sept. 2009 issue is August, 20 2009. Items may be submitted by mail or E-mail to: Interim Editor - Jim Ferreira, 753 Oriole Avenue, Livermore CA 94551 bakerst@comcast.net (925) 449-0107



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*Always call to confirm

Join the Eastbay Astronomical Society

- Regular, \$24/year Family, \$36/year
 Contributing, \$40/year Student, \$15/year (digital news-
 Sustaining, \$60/year or more letter, only)

Contact: Gerald McKeegan, EAS Treasurer
Telephone: (925) 926-0853 Email: geraldspace@earthlink.net
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Sign up online at <http://www.eastbayastro.org/>