



# THE STAR DIAGONAL

THE JOURNAL OF THE OGDEN ASTRONOMICAL SOCIETY

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<http://ogdenastronomy.com/>

## President's Message

The May meeting of the Ogden Astronomical Society will be held on May 10<sup>th</sup> at 7:30pm at the Ott Planetarium. We will be watching a couple of lectures by Dr. Neil deGrasse Tyson that were purchased. The titles are "On Being Dense" and "Death by Black Hole".

Star Party reminders.

5/19 - Antelope Island. This will held in our usual location in White Rock Bay.

6/16 - Antelope Island.

6/30 - Snowbasin Moon Party.

7/11 thru 7/14 - Monte Cristo.

7/21 - Public Star Party (TBA).

7/28 - Snowbasin Moon Party

8/4 - Antelope Island.

8/8 thru 8/11 - Monte Cristo.

8/25 - Snowbasin Moon Party.

We also want to thank everybody for supporting the school star parties that we had in April. The students and teachers really enjoy these parties. It gives us a great opportunity for outreach. The Adams Elementary star party was a little cloudy but everyone enjoyed the views of the moon and Saturn. At Antelope Elementary, we had clear sky and at least 200 people show up. It was a lot of fun. They all flocked to BOB and kept Doug busy all night.

Mike Klein

## OAS Minutes, April 2007

The Monthly meeting of the Ogden Astronomical Society was held on April 12th at the Ott Planetarium. Secretary David Dunn called the meeting to order at 7:36pm. The President and Vice President are at Dead Horse Point for the Star Party this weekend. We have three star parties scheduled for this month. Adams Elementary (4/19) and Antelope Elementary (4/20) and Antelope Island on 4/21. Since this is Astronomy Day, we will hold this one at the Visitors Center. We will start at 11am with a Solar Party and then have the Star Party at dusk. The May Antelope Island Star Party is on 5/19. The Physics Department at Weber State is holding a Physics Extravaganza from 6 to 10pm on 4/13. Dale Hooper has scanned the first volume of Bob Tillotson's collect of Star Diagonals. He had several CDs and asked for volunteers to review them and provide input.

David Dunn then introduced the lecture series "My Favorite Universe" by Dr. Neil deGrasse Tyson. The topic for tonight was watching the first two lectures; "On Being Round" and "On Being Rarified". These lectures were purchased on [www.teach12.com](http://www.teach12.com). The meeting adjourned at 8:55pm with some members going to Village Inn for some "Advanced Training".

Thanks to Bob Tillotson for taking minutes at the meeting.

David Dunn.

## SOFIE

On April 25<sup>th</sup> NASA successfully launched the AIM satellite. Space Dynamics Laboratory (SDL) developed the SOFIE instrument for this satellite. OAS member, Dale Hooper was one of the developers of the flight software for SOFIE. SOFIE's cover will be opened in a couple weeks and it will start gathering data.

The Orbital Sciences-built Aeronomy of Ice in the Mesosphere (AIM) spacecraft is poised to rocket spaceward on a two-year mission to scan noctilucent, or 'night-shining,' clouds that can only be observed after sunset. The Solar Occultation for Ice Experiment (SOFIE) is designed to measure the particles, temperatures, atmospheric gases that make up each cloud to reveal their chemical composition and formation environment. You can read more at the following web page.

[http://www.space.com/business/technology/070425\\_techwed\\_aim.html](http://www.space.com/business/technology/070425_techwed_aim.html)



Space Station Crew Photographs Mysterious Clouds that Shine at Night

## Mouse Pads

President Klein has had some mouse pads printed with a picture of a galaxy and the OAS logo. He will have some of them at the meeting for those wanting to purchase them. They are \$10 for OAS members, \$12 for the public.

## Astronomy Day

On Astronomy Day, 4/21, OAS spent an afternoon and evening at Antelope Island's Visitor Center. We setup at about noon. There were several telescopes with Solar Filters. There were also three H-alpha

telescopes. The sky was unpredictable, partly cloudy, then sunny and then cloudy again. We had quite a few people stop by during the day. We had a light attendance to the Star Party, only 50 people or so.



Astronomy Day Solar Party. Antelope Island.



Setting up Tom's new Obsession.



Waiting for Sunset.



## For Sale

I need to reduce my stock of telescopes for a move this year.

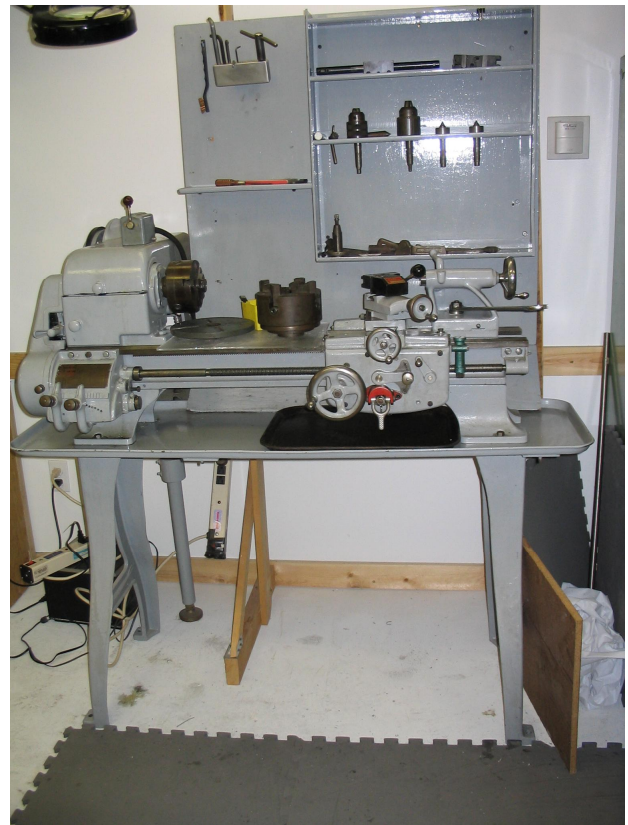
Ceravolo HD145 5.7" Mak-Newt with 2" and 1 1/4" eyepiece adapters, tube rings, dew shield, premium coatings. Good condition - there are a few chips in the paint on the tube and the dew shield; cosmetic only. Excellent optics! Asking \$3000.

Losmandy GM8 GEM with polar scope. Good tracker. Has the usual scrapes from use. Asking \$1,000.

Both the above for \$3,750 in a package. I will not sell the GM8 before the HD145.

JMI 12.5" NGT split ring Newt with JMI max computer, polar scope, wheels and handle, shroud.. This is a wonderful star party scope - it tracks well with simple alignment and the rotating upper cage makes it easy for people of all heights to reach the eyepiece. Beautiful views. Asking \$3,000.

Logan Model 820 10" metal turning lathe for sale. Tooling includes 3 & 4-jaw chucks, faceplate, KDK quick change tool holder, Jacobs tail stock chuck, some cutting bits. Will help transport in local area and set up. Asking \$1500.



SBIG ST-7 CCD camera with CFW8 filter wheel with RGBL filters and AO-7 adaptive optics unit, all solidly assembled into a system. Price is not yet determined, please contact me if you are interested at all.



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