



Cleveland Astronomical Society

www.clevelandastronomicalsociety.org

Thursday, January 3, 2008 Meeting Announcement

6:15—7:00 p.m. – Get acquainted and snacks

7:45—8:00 p.m. – Short Business Meeting

7:00—7:45 p.m. – Buffet Dinner (Reservations Required)

8:00—9:00 p.m. – Featured Speaker (Free to public)

Leonard Krieger CanalWay Center

4524 East 49th Street (turn onto Whittlesey Way to reach Center), Cuyahoga Heights, (216) 206-1000

Speaker: Jay Reynolds

Research Astronomer, College of Science, Cleveland State University

A Small Observatory: Cutting-Edge Techniques

For over a century celestial photography has given us both scientific and inspirational results. With the improvement and affordability of Charge Couple Devices (CCD's) and filters, Cleveland State University and Lakeland Community College students have spent two years in a small research laboratory making a large impact with small telescopes. Particularly, the student team has made long-term observations of minor planets, developing astrometric residuals and light curves with nonstandard filters. To improve the usable limiting magnitude for the small observatory, the team has used techniques to offset problems of "multi-image spurious charges" and background illumination. They have also performed software calibration. Some of the team's techniques now are being used in NASA's DAWN mission. Besides sharing the work of this remarkable observatory, Jay will give status updates of several solar system missions. We will celebrate the fourth anniversary of the Rover's 'Spirit' and 'Opportunity' on Mars.

High School Teachers interested in bringing two students, as our guests, please contact Bob Sledz, President, at 440-333-7827 or sledzbob@yahoo.com, if possible two weeks or more prior to scheduled meeting date.

Buffet Dinner by 'Sally's too!'

Chicken Marsala / Scalloped Potatoes
Glazed Carrots / Tossed salad and dressings
Fresh Baked Breads and Butter
Chocolate Chip & Oatmeal Raisin Cookies / Coffee, Decaf / Teas

It is very important that everyone make their reservations by the posted date.

For dinner \$13/person for members. (Please join as a family member if you bring your spouse.), \$15/person for non-members. **Send check to C.A.S., c/o Ingrid Sledz, so that it reaches her by Friday, Dec 28th: 22283 Sunnyhill Dr. Rocky River, OH 44116**

E-mail: isledz@yahoo.com or phone: 440-333-7827. Thank you.

CAS January 3, 2008 Dinner Reservation

Name(s) _____ No. For dinner _____ Amount enclosed for dinner: _____

Phone _____ E-mail if you want your newsletters sent in this way _____; MAKE SURE THAT

YOU KEEP US NOTIFIED OF CHANGES IN YOUR ADDRESSES _____