# Winnicentrics

**Newsletter of the Winnipeg Centre of the Royal Astronomical Society of Canada**

## Upcoming events

October 1, 2016
New Moon

October 9, 2016
First Quarter

**October 14, 2016**
**RASC Meeting**

October 16, 2016
Full Moon

October 22, 2016
Last Quarter

October 30, 2016
New Moon

November 7, 2016
First Quarter

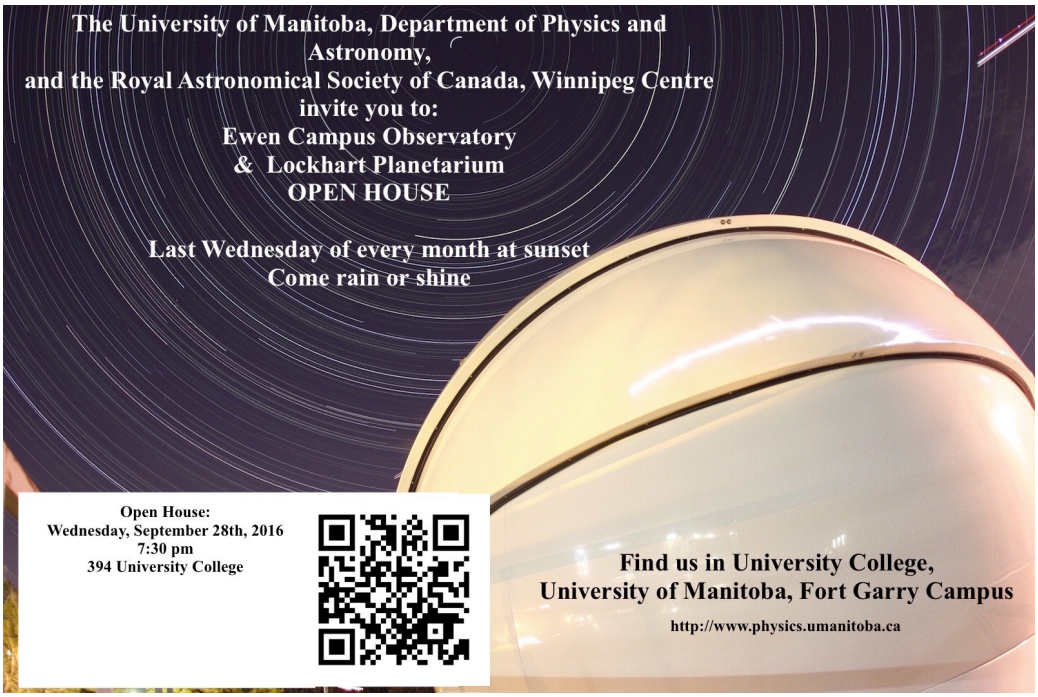
November 14, 2016
Full Moon

**November 18, 2016**
**RASC Meeting**

November 21, 2016
Last Quarter

November 29, 2016
New Moon

**December 9, 2016**
**Rasc Meeting**




Regular meetings of the Winnipeg Centre are held in the **Robert B. Schultz lecture theatre in St. John's College at the University of Manitoba**. The theatre is on the lower (basement) floor of the College. Meetings are held on the second Friday of each month from 7 p.m. to 10 p.m. After the meetings, members who wish to do so usually retire for pizza and more conversation about astronomical subjects. The June meeting is not held at St. John's College but is instead a barbeque at either a member's house or at Glenlea. Meeting dates and meeting places may be adjusted during exam times and during Bomber home games or stadium events.

## October Meeting Schedule

7:00 pm Beginner's Session

7:30 pm Regular session
- Announcements
- What's Up? – upcoming events in the sky
- What's New? – new discoveries in astronomy
- Constellation of the month

8:30 pm Break for coffee and refreshments – in the hallway. Please us the recycling and garbage bins in the hallway.

9:00 pm Dr. Dan Milisavljevic is a Canadian Postdoctoral Fellow at the Harvard-Smithsonian Center for Astrophysics. His field of study is in supernovae and supernovae remnants, but he has also been involved in the discovery of several moons of Uranus and Neptune.

Exploding Stars: Approximately once every second, somewhere in the universe a star ends its life in a catastrophic explosion called a supernova. These cosmic blasts shape and enrich their parent galaxies, produce exotic objects like neutron stars and black holes, and manufacture the heavy elements that make planets like Earth – and its life – possible. Dan Milisavljevic explores cutting-edge research that is unraveling the many mysteries of supernova explosions, and highlight recent breakthroughs in our ability to survey supernova debris fields in 3D and diagnose a star's impending doom.

10:00 pm Pizza


Winnipeg Centre Officers & Volunteers

President:
Jay Anderson

Vice-President:
Brenden Petracek

Secretary:
Bryan Stach

Treasurer:
Stan Runge

Past President:
Andrea Misner

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Meghan Ostrum
Mick Rice

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Rolando Martin
Dennis Lyons

SWSP Organizer:
Silvia Garca

Webmaster:
Julius Lopez-Garcia

Winnicentrics Editor:
Meghan Ostrum

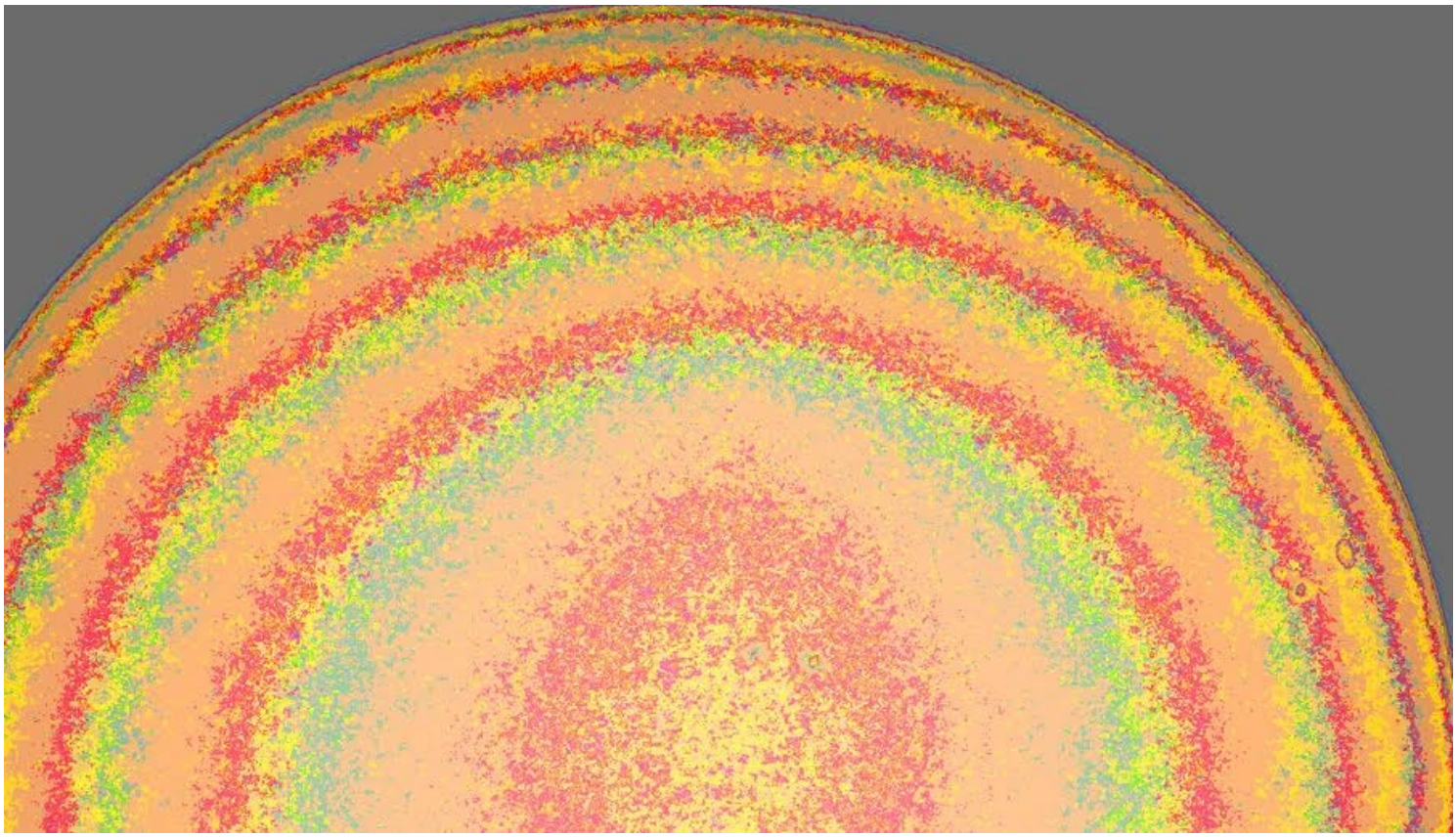
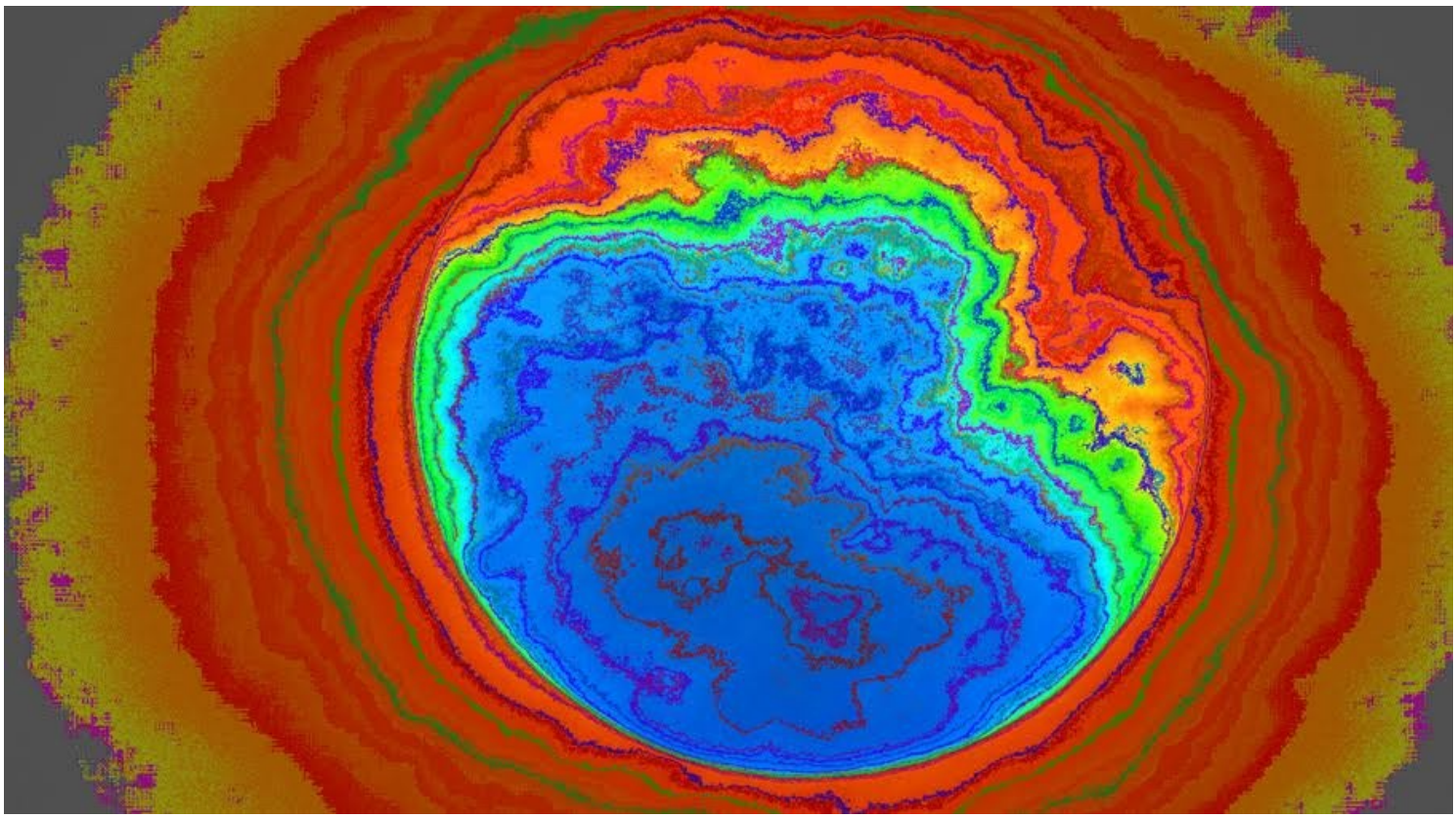


Photo above: Afternoon Sun
Photo beloe: Sun in turmoil
Photos by: Bhagwan Thadani (Winnipeg)



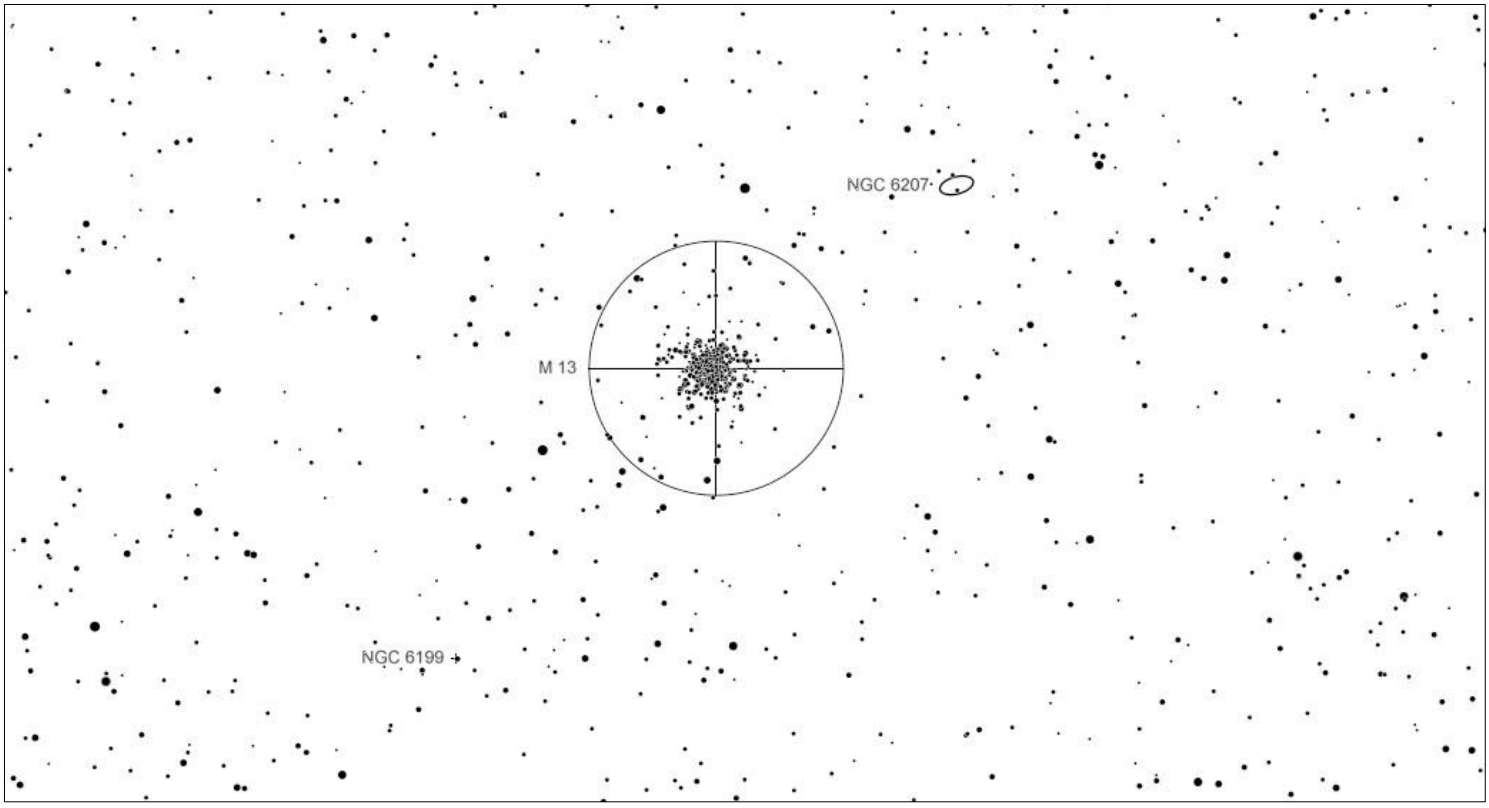



Photo above: M13: Iso 800, 25 x 135 sec, f8 using a 300mm lens.
Photo below: M31
Photos by: Richard Konrad (Winnipeg)

Photo left: taken by the NASA/ESA Hubble Space Telescope's Wide Field Planetary shows a spiral galaxy (NGC 278) that lies 38 million light-years away in the constellation of Cassiopeia.

Photo left: http://astronomynow.com/2016/10/10/hubble-sees-a-nuclear-ring-of-star-formation-in-galactic-merger/

Michigan Scientists have found a new dwarf planet (2014 UZ224) in our solar system that is 330 miles across and some 8.5 billion miles from the sun and takes 1,100 years to complete one orbit.

http://www.npr.org/sections/thetwo-way/2016/10/11/497071139/a-friend-for-pluto-astronomers-find-new-dwarf-planet-in-our-solar-system

**RASC Winnipeg Council Elections**

The following positions are open for election; President, Vice-President, Treasurer, Secretary, 3 Councillors, and 2 National Representatives. Please contact the Winnicentrics Editor with a short position statement. All current council members are eligible for re-election. The vote will be at the RASC monthly meeting in January, 2017.

**RASC Winnipeg Council Elections**

Please put me down for another term for Secretary! Thank-You! Bryan Stach