

OUTDOORS

CALL OF THE WILD

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Call the Journal at 285-7411

Celestial rivals among September sky views

BY DEANE MORRISON
University of Minnesota

A terrific harvest moon and a meeting of celestial rivals are among the delights in store for us this September.

On the other hand, Venus gets lost in the sun's foreglow as it heads behind the sun. Our sister planet falls away, leaving Jupiter as the sole bright morning planet. Climbing higher every day, Jupiter is well up in the east by dawn and ends the month rising four hours ahead of the sun.

On moonless mornings, look above Jupiter for the faint, lovely Beehive star cluster; binoculars will help. The two objects move further apart each morning, but you can find the Beehive late in the month by imagining a line connecting the bright star Regulus, below Jupiter,

with Pollux, the brighter Gemini twin, above Jupiter. The Beehive will be about 60 percent of the way up from Regulus, about the same distance west of the line as Jupiter is.

In the evening sky, look low in the southwest and watch Mars speeding eastward, away from Saturn and into the stars of Scorpius. On the 28th it glides above the gigantic red star Antares, the heart of the scorpion. This is a rare chance to see Antares, whose name means "rival of Mars," close to its planetary namesake. However, a waxing crescent moon may wash out some of the duo's brightness that night, so try comparing the red rivals on the near-moonless 26th.

September's harvest moon shines the night of the 8th-9th. This will be another perigee full moon ("super-moon"), when the moon

reaches the closest point to Earth in its orbit at a near-full phase. It rises about 21 hours past perigee and, in most locations, less than 90 minutes shy of full. So if you have a chance to watch this lovely moon lift above the horizon, don't miss it.

Traditionally, the full moon closest to the autumnal equinox is given the title "harvest moon," and some years it falls in early October. This year it's almost a tossup: The intervals between each month's full moon and the equinox differ by just 31.5 hours.

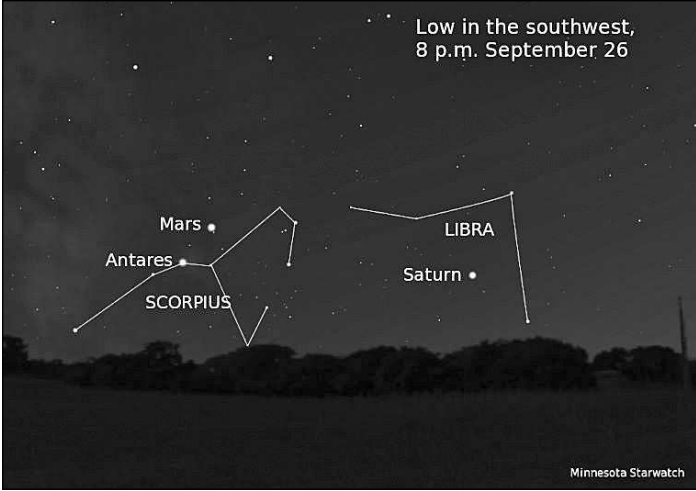
The name "harvest moon" comes from the moon's habit of rising only about 25 to 30 minutes later from night to night when it's near full, and this only happens near harvest time. This gives farmers an early-evening light source as they work late to bring in their crops.

It happens because the full moon not only appears opposite the sun in the sky, but it behaves oppositely, too. Now, the sun is moving rapidly south and rising later each day, and so the near-full moon is moving rapidly north and rising relatively earlier each night.

The equinox arrives at 9:29 p.m. on the 22nd. From then until the spring equinox, the days will get longer as you move south and shorter as you move north.

You may catch the seldom seen zodiacal light in the east an hour or two before dawn in the last 10 days of September. This faint glow, emanating from sunlight reflected off dust in the plane of the solar system, was dubbed the "false dawn" by the Persian poet Omar Khayyām in his celebrated collection, the Rubaiyat.

The University of Minne-



Look low in the southwest and watch Mars speeding eastward, away from Saturn and into the stars of Scorpius.

sota offers public viewings of the night sky at its Duluth and Twin Cities campuses. For more information and viewing schedules, see:

- Duluth, Marshall W. Alworth Planetarium: www.d.umn.edu/planet
- Twin Cities, Minnesota Institute of Astrophysics (during fall and spring semesters): www.astro.umn.edu/outreach/pubnight

edu/outreach/pubnight

- Check out the astronomy programs at the University of Minnesota's Bell Museum ExploraDome: www.bellmuseum.umn.edu/ForGroups/ExploraDome/index.htm
- Find U of M astronomers and links to the world of astronomy at <http://www.astro.umn.edu>.

DOUBLE VISION?



Minnesota's deer hunting season doesn't start until Nov. 8, but many area hunters are eyeing some bucks. These two bucks were captured in photographs taken out of the window of a vehicle by Brian McBride near his hunting shack.

CONTRIBUTED PHOTO

Volunteer Rendezvous Sept. 12-13 at VNP

JOURNAL STAFF REPORT

Voyageurs National Park Association, in partnership with the National Park Service, is hosting a two-day Volunteer Rendezvous at Voyageurs National Park Sept. 12-13.

The Rendezvous provides a great opportunity to get involved at Minnesota's national park, meet Park Service staff and experience the park in a whole new way, Christina Hausman, VNPA executive director, said in a news release.

Volunteers are welcome to sign up for one or both

days. Projects may include habitat restoration, planting, invasive species removal, and trail clearing.

People of all ages and skills are welcome to attend – no experience is necessary. National Park Service staff will provide tools and training required to make a positive impact, said the release.

The Volunteer Rendezvous is also fun, according to Hausman. "We have several activities planned for Friday and Saturday, including a "Ghosts of Voyageurs" candlelight hike and a volunteer appreciation dinner and boat tour of the

park," said the release.

Volunteers are especially in need on Saturday, Sept. 13.

Volunteer projects will take place at the following times and locations:

- 9 a.m. to 3 p.m. Friday, Sept. 12, at the Ash River Visitor Center.
- 9 a.m. to 3 p.m. Saturday, Sept. 13 at the Rainy Lake Visitor Center.

People interested in volunteering must pre-register on the Voyageurs National Park Association website in order to attend: <http://voyageurs.org/event/volunteerrendezvous2014/>

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| Thurs. | Blueberry Pancakes w/eggs & sausage or bacon |
| Fri. | Biscuits & Gravy w/eggs & hashbrowns |
| Sat. | Cinnamon Swirl French Toast with ham & eggs |
| Sun. | Blueberry Cream Cheese Crepes with eggs & ham |

Dinner Specials

| | | |
|--------|--------------------------------------|---------|
| Mon. | Half Chicken Dinner | \$10.99 |
| Tues. | Full Rack of BBQ Ribs | \$17.99 |
| Wed. | Pan Fried Walleye | \$14.99 |
| Thurs. | Mozzarella Girasole w/Marinara Sauce | \$10.99 |
| Fri. | Fishermen's Catch | \$16.99 |
| Sat. | Rib Eye Steak | \$17.99 |
| Sun. | Chicken Kiev | \$11.99 |

Dinners include choice of potato & salad. Choice of soup for \$1.00

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PUBLIC HEARING NOTICE

Notice is hereby given that a public hearing will be conducted by the Koochiching County Planning and Zoning Commission relative to the following item **on Thursday, September 11, 2014 at 7:00 p.m.** in the County Board Room, Koochiching County Courthouse, International Falls, Minnesota.

A combined parcel Rezoning and Conditional Use Permit application submitted by **Melissa Ruelle** in order to start-up and operate a quilting business out of the former church building. The request is to rezone the parcel from R-1 (low density residential) to C-2 (limited commercial). The parcel is located approximately one mile west of Int'l Falls along Hwy 11 and is described as the west 10 rods of the north 16 rods of the SW NW, Sec. 9, Twp 70N, Rge 24W, Koochiching County, Minnesota.

All interested parties are invited to attend the said hearing to be heard. If more information is desired, please contact the Koochiching County Environmental Services, ph.(218)283-1158.

August 25, 2014

Dale Olson
Zoning Administrator
Koochiching County

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Thursday September 4, 2014

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All candidates are appearing at this event only as featured speakers. They are not asking for funds or donations.

Ordered and paid for by Kooch DFL, Darlene Carlson Assoc. Chair.
509 3rd St, Int'l Falls, MN 56649