



## **2019 VOLLBRECHT PLANETARIUM FALL SHOWS**

**Planetarian: Cliff Jones**

**Wednesday Evenings – 7:00 p.m. to 8:30 p.m.**

**Each Ninety Minute show offers: Q&A, Interactive lecture, Presentation on Topic and Star Show.**

### **\*NEW: PRE-REGISTRATION REQUIRED**

1. **Sept. 11 – Our 13 Planet Solar System: 8 Planets and 5 Dwarf Planets.** We'll compare the planets and discover what distinguishes them from Dwarf planets. (Solar System Overview)
2. **Sept. 18 – Earth in the Goldilocks Zone: Venus is too Hot, Mars is too Cold, Earth is Just Right.** We'll explore the planets: Mercury Venus, Earth, Mars and dwarf planet, Ceres in the Asteroid Belt
3. **Sept. 25 – Gas Giants: Jupiter and Saturn plus Icy Worlds: Uranus and Neptune.** Jupiter, Saturn, Uranus, Neptune and dwarf planets: Pluto, Haumea, Makemake, and Eris. All hold surprises
4. **Oct. 2 -- Telescopes and Binoculars: How they work, how to use them.** Having trouble using your new scope? We can help. Bring it along. We'll point out on our star dome the objects that can be seen easily with a small scope.
5. **Oct. 9 – Exoplanets in our Milky Way Galaxy And what Else Can We Find?** We'll look at colorful nebulae, open star clusters, globular clusters, and simulate flying into the Orion Nebula's solar system forming region.
6. **Oct. 16 - Sky Tellers: The myths, magic and mysteries of the Universe** We'll listen to new stories from around the world as well as native American sky stories. Bring your own story. Bring a pillow. This is a very relaxing program.
- \* **Oct. 23 - No Show Tonight! Cliff and John will be attending the Great Lakes Planetarium Assn. Conference in Toledo**
7. **Oct 30 - UFO's, IFO's, Flying Saucers SETI and the search for life in the Universe.** If you have a story to share about a UFO (Unidentified Flying Object) bring it along.
8. **Nov 6 From Quarks to the Edge of the Universe Scaled on the Powers of 10** An abbreviated summary of our known universe,

**\*You MUST PRE-REGISTER for this program at the P&R Information Desk, 26000 Evergreen, Southfield, 48037. Parks & Recreation is open till 7:00 pm.**

For more info and Pre-Registration instructions, call P&R at 248-796-4620. P&R closes at 7pm.	
Purchased at P&R, Full 8 show series	Purchased at P&R, Per Event
\$30 for residents; \$40 for non-residents	\$5.00 for residents; \$6.00 for non-residents

**Vollbrecht Planetarium is at the East end of Adler Elementary School, a NASA Explorer School, 19100 Filmore, Southfield, MI 48075.**

**Ask about our School and Private Shows**  
**Check us out at: [VollbrechtPlanetarium.com](http://VollbrechtPlanetarium.com)**  
**Message Line: 248-746-8880**