



# KOPERNIK OBSERVATORY & SCIENCE CENTER

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## Barnes & Noble / Kopernik Observatory & Science Center Winter Astronomy Lecture Series

Barnes & Noble, Town Square Mall Vestal, NY  
Talks begin at 7:00 PM

*Barnes & Noble welcomes Kopernik Observatory & Science Center and Cornell Research Support Specialist Rick Kline for three different Saturday night presentations. Rick will discuss three astronomical topics and Kopernik staff will provide stargazing tips and telescopes. If weather permits, you will see Jupiter and its moons, the Earth's moon, double stars, star clusters and more through Kopernik's portable telescopes set up outside Barnes & Noble's store.*

**Rick Kline** is a Data Manager for the Cornell Spacecraft Planetary Imaging Facility. Rick has been a Research Support Specialist for 24 years and is well versed in the unfolding science of robotic planetary exploration. Rick's playful and humorous presentation style will make these presentations a "not to be missed" event!

### **December 17, 2011: Tour through the Solar System**

Take a spectacular journey through our solar system. In a presentation of stunning images returned from spacecraft, Rick engages the whole family with images of our Sun, the planets, moons, asteroids, and comets that share the solar system with Earth and will share his vast knowledge of robotic spacecraft missions to neighboring planets.

### **January 21, 2012: Invisible Universe**

See views of solar system and deep space objects in radio, microwave, infrared, visible, ultraviolet, and X-Ray wavelengths. We'll compare the familiar to the not-so-familiar ways of seeing in "light" that we otherwise can't see.

### **February 11, 2012: Saturn: Lord of the Rings**

Saturn was hard to understand when Galileo first viewed it through his telescope – his field of view was very small. He thought the rings were somehow attached to Saturn. We now know that Saturn not only has a spectacular ring system, but also plays host to a multitude of fascinating moons both large and small.

## Winter Friday Night Programs at Kopernik Observatory

### **December 2, 2011 January 20, 2012 and February 10, 2012 : Winter Skies**

#### **Doors open at 6:30 Program begins at 7pm**

Come and join the Kopernik Astronomical Society for a winter Friday evening of guest speakers and casual astronomy! Doors open at 6:30pm and program begins at 7pm. Learn how to identify constellations, planets, and spot the International Space Station. Free star maps will be provided. Bring your own telescope and a KAS member will help you learn how to use it. Although it is cold, winter is one of the best times to view the planets and stars so dress warmly! Coffee and Hot Chocolate will be available!

### **Saturday January 28, 2012: Winter Star Party 6pm**

The Kopernik Astronomical Society will hold its annual Winter Star Party. See our crescent moon, Jupiter, Orion Nebula, and other deep-sky objects! Speaker is list developing, please check [www.kopernik.org](http://www.kopernik.org) for a detailed schedule. Doors open at 6:00pm.

