



**Cleveland Astronomical Society**  
**Thursday, November 3, 2005 Meeting**

**Speaker: Dr. Donald Terndrup**

**Associate Professor of Astronomy, The Ohio State University**  
**Main Research Interests: Properties of Stars, Stellar Evolution,**  
**and Milky Way Stellar Populations**

**"Music of the Spheres: An Introduction to Astroseismology"**

Astronomers know much about the photospheres of stars, the layers from which all light emerges. A new area of study called astroseismology promises to help us understand conditions deep within the star interiors. A network of sound waves weaving through the inside of a star causes the surface of the star to oscillate up and down. We observe this as a complex pattern of brightening and fading. Dr. Terndrup will discuss his own recent research on the astroseismology of extreme horizontal-branch stars. Of particular importance, our own Sun will become one of these, a type of hot compact star, in 3 to 4 billion years. Come hear about our sun's future and ask your questions.