Kentucky SkyTalk

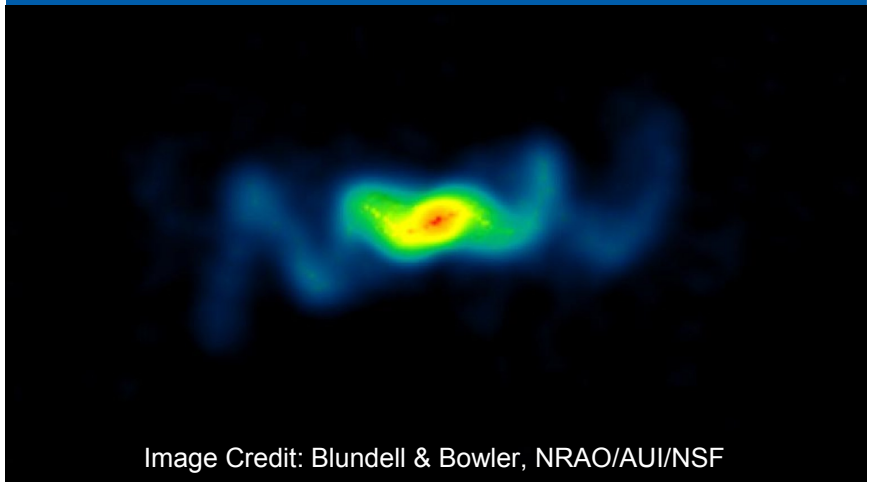


Image Credit: Blundell & Bowler, NRAO/AUI/NSF

Tim Knauer — University of Kentucky

Thursday - October 11, 2018 7:00 PM

Chemistry-Physics Building Room 155

SS433: A Cosmic Sprinkler

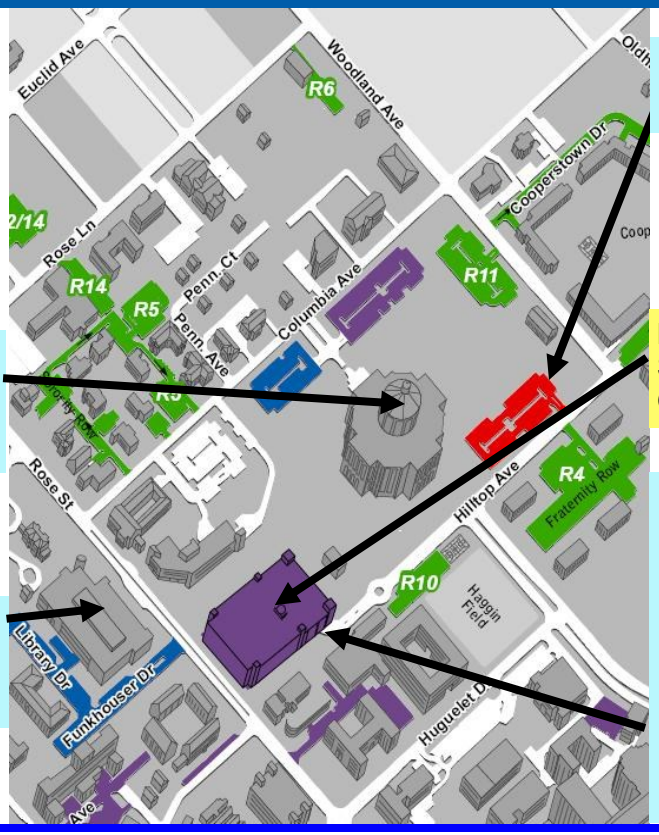
Astronomers Stephenson and Sanduleak created a catalog of stars with unusual optical properties. The 433rd entry became famous when radio telescopes revealed that the star was set within a cloud of expanding gas. Were they related, or was it a chance alignment?

Deeper, and more frequent, observations with the highest resolutions available to radio astronomers, revealed a close binary system in which a black hole is siphoning gas from another star. The result is less a sprinkler than a blowtorch drilling into its surroundings. SS 433 is one of the possible outcomes of an exploding star. The story continues next month with

Supernovae: Discovery, Death, and Explosions

Tonight's *Kentucky SkyTalk* is part of an ongoing series. These are presented by the UK Department of Physics and Astronomy, and the MacAdam Student Observatory. Held every 2nd Thursday of the month, they are always free and open to the public.

How to find the MacAdam Student Observatory



Alternative Parking

W.T. Young Library

MacAdam Student Observatory

Chemistry/ Physics Building

SkyTalk Event Parking

Parking Structure #2 is accessible by car from Hilltop Avenue only.

The MSO hosts monthly public-observing sessions, each with a kick-off 50 minute presentation in the Chemistry-Physics Building. The presentations will take place even on cloudy nights. If the sky is clear, the observatory will open after the talk. Come and see the night sky through many different telescopes at the Blue Grass Amateur Astronomy Club's outings at Raven Run. The remaining (Saturday) dates in 2018 are October 6th and November 3rd. Call Raven Run an hour before sunset to verify that the weather will be sufficiently clear.

You will find an all-sky finder chart and the PDF of this flyer at our web site. SS433 in Aquila.

Amber Moore - University of Kentucky

November 8, 2018 - **7:00 PM** - Chem-Phys Room 155

Supernovae: Discovery, Death, and Explosions