



THE STATE OF TEXAS ANNIVERSARY REMEMBRANCE DAY FOUNDATION  
***THE TEXAS BISON STUDENT STUDY GROUP JOURNAL***



Yed Posterior from internet photo gallery by John Glossop

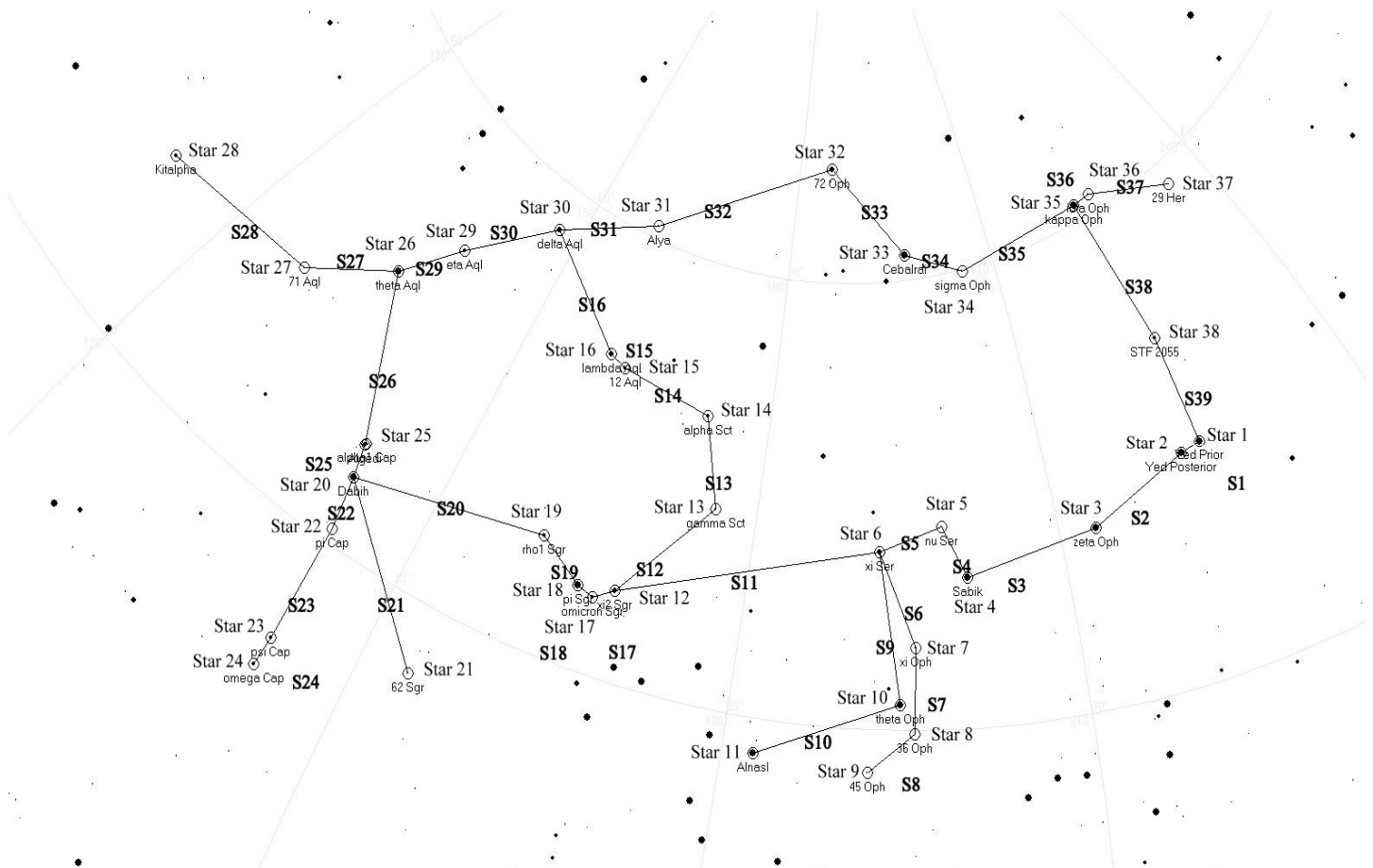
***“YED POSTERIOR”***

Star Two Representing Cherokee County  
In  
The Great Texas “Old Blue” BisonStar Constellation

By

John Garbutt  
The First Caprock Canyons State Park Ranger





**THE GREAT TEXAS “OLD BLUE” BISON CONSTELLATION STAR MAP  
 (CREATED BY THE MIDLAND WEST TEXAS ASTRONOMY CLUB IN PARTNERSHIP WITH  
 MIDLAND PLANETARIUM DIRECTOR DR. ANDREW KERR AS AN 2010 STEM PROJECT  
 INITIATIVE OF THE TEXAS ASTRONOMY STUDENT STUDY GROUP  
 SPONSORED BY THE STAR DAY FOUNDATION)**

I am a neophyte when it comes to the awe inspiring hobby and science of astronomy. I have the honor of being the guardian of Cherokee County’s Star 2 (Yed Posterior). When looking at the great bison constellation located above the constellation Scorpius, in the months of July and August and above Sagittarius in September, you will find Yed Posterior slightly downward and to the left of Yed Prior. These two stars form the nose of “Old Blue” as he makes his westward migration.

Yed Posterior is the star’s popular name and Epsilon Ophiuchi is its scientific name. It is located in the southwest corner of the constellation Ophiuchus known as the Serpent Bearer. When you locate Yed Prior and Yed Posterior in the sky they look like a pair of eyes looking

down at you. The term “Yed” means “the hand” which is an Arabic name referring to the left hand of the Healer (Ophiuchus), celestial personification of Asclepius, the physician, that holds Serpens, the Serpent. This part of the Ophiuchus constellation helps form the head of “Old Blue”.

The constellation Ophiuchus gets its name from the Greek for “Serpent Bearer” and is commonly represented as a man grasping a snake that is represented by the constellation Serpens. Ophiuchus was one of the 48 constellations listed by the 2<sup>nd</sup>-century astronomer Ptolemy and remains one of the 88 modern constellations. It was formerly known as Serpentarius and Anguitenens.

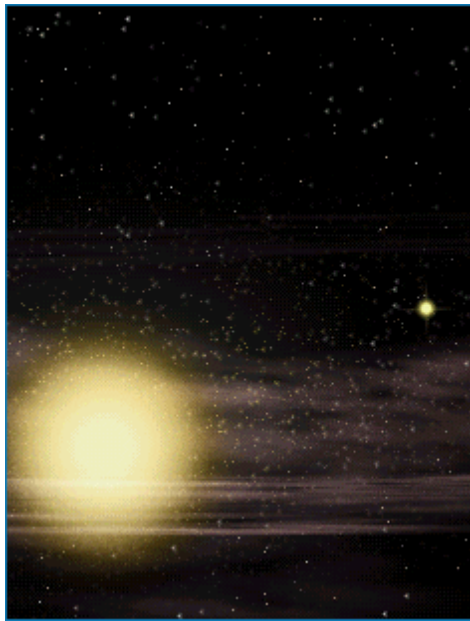
There is about a degree and a half between the two stars with the eastern star being Yed Posterior (Star 2). The two stars that stare down are not close to one another. The western most Yed Prior is 170 light years away from earth and Yed Posterior is 108 light years away, much closer. Yed Prior is a brighter third magnitude star and the closer, Yed Posterior, is a fainter third magnitude star.

Both are classed as giants although somewhat different in that Yed Prior is a red class M giant and Yed Posterior is classed as a less luminous and unusual yellow G giant. Yed Posterior has an estimated mass that is nearly triple that of our sun and began its life as a sparkling blue class B star. The star is about one billion years old. It appears that it is burning out and nearing the beginning of the fusion of the helium in its core.

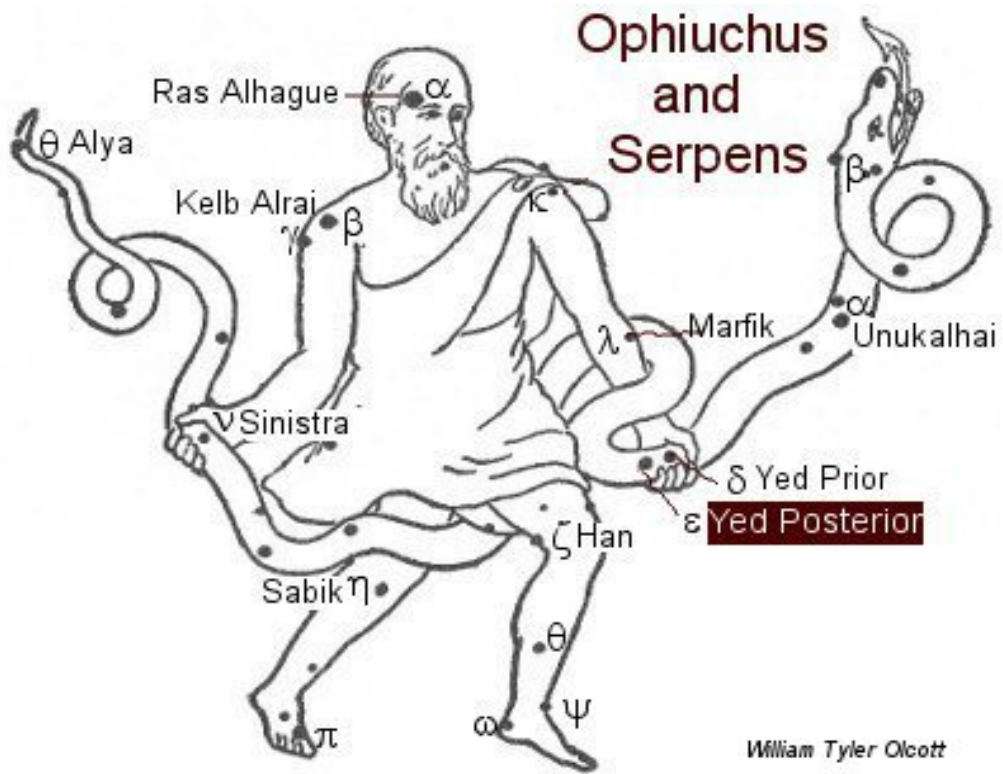
Now for some facts about this interesting star:

SAO Catalog Number 141086  
HD Catalog Number 146791  
FK5 Catalog 605  
Magnitude 3.24  
Special Class G9.5IIIbFe-0.5  
Location 16h 18.322m (Right Ascension)  
-4° 41.550' (Declination)  
Proper Motion 0.085 (Right Ascension)  
0.041 (Declination)  
Color Yellow G Class Giant (to the naked eye its appears white)

## **HAPPY STAR GAZING!**



Off of [www.glyphweb.com/esky/stars/yedposterior.html](http://www.glyphweb.com/esky/stars/yedposterior.html)  
Yed Posterior is in the fore ground and is classed as a yellow G type star



Off of [www.constellationofwords/stars/YedPosterior.html](http://www.constellationofwords/stars/YedPosterior.html)



**Author:** John Garbutt was inducted into The First Pioneers and Leaders of the State (PALS) of Texas Hall of Honor as the “First Park Ranger” of Caprock Canyons State Park on March 5, 2014 “THE CHARLES GOODNIGHT DAY” in Texas designated by the State of Texas Legislature at the request of The Texas Bison Student Study Group in partnership with legislative bill author State Representative Ken King and legislative bill sponsor State Senator Kel Seliger. John is an amateur astronomer and is a member of The PALS of Texas Volunteers serving as a “**BISONSTAR GUARDIAN**” representing Cherokee County of The Texas Astronomy Student Study Group sponsored by The STAR DAY Foundation. The APPENDIX features his First PALS of Texas Induction Story Bookmark.

**FOR ADDITIONAL INFORMATION, PLEASE CONTACT:**

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THE STATE OF TEXAS ANNIVERSARY REMEMBRANCE DAY FOUNDATION

# APPENDIX



**THE STAR DAY FOUNDATION  
FIRST PIONEERS AND LEADERS  
OF THE STATE OF TEXAS  
HALL OF HONOR**



**JOHN R. GARBUTT, III**

John R. Garbutt, III was formally inducted on March 5, 2014, "The Charles Goodnight Day", into "The First PALS of Texas Hall of Honor" sponsored by The STAR DAY Foundation as the "First Park Ranger" of Caprock Canyons State Park in August 1975. John R. Garbutt, III was nominated for induction by Caprock Canyons State Park Ranger Le'Ann Pigg. Park Ranger Pigg is the Park Interpreter and Volunteer Coordinator. Park Ranger Pigg has volunteered to act as an eAdvisor for "The Texas Bison Student Study Group" sponsored by The STAR DAY Foundation. The Park is today the home of the Texas State Bison Herd.

John R. Garbutt, III was born on September 16, 1948 to John R. and Jeanne (Trevethan) Garbutt in Amarillo, Texas. He is the older of two children with a younger sister. His father and mother worked for the United States Air Force so the family moved away and back to Amarillo several times during his early childhood and school years.

John graduated from Tascosa High School in 1967, attended Amarillo Junior College and then transferred to the University of Texas at Austin in the fall of 1969 to finish his undergraduate work. He graduated in 1971 with a BA in Anthropology and minor in Philosophy. He remained in Austin after graduation working with the hope of one day realizing his dream of being hired as a park ranger for the Texas Parks and Wildlife Department. He stayed persistent in his quest by submitting a new application for employment each year and visiting with key personnel at the department's headquarters in Austin on a regular basis until he received the call he always hoped would come and was offered the "Park Ranger" position at Caprock Canyons State Park in August 1975.

The only problem was John left his sweetheart, Janet Meziere, behind but that situation was remedied in October of that year and he brought his

bride to the park at Quitaque, Briscoe County, Texas. They both fell in love with the community, its people and the land. When Marquis Robertson (the first park superintendent) and his family arrived they quickly formed a lasting friendship and they worked happily together to give birth to a new state park. The community of Quitaque fully supported them and the state park.

During John's tenure Marquis and John worked on refurbishing an old bait store into the park headquarters, an old barn for park equipment and the old Theo Geisler home as a residence for Marquis and his family. John also did an archeological survey for the department on one of the sections in the park and worked closely with the Panhandle High Plains Museum on the important Lake Theo Folsom archeological site. Marquis and John worked on a variety of park conservation, preservation and restoration projects. They will always have fond memories of their life and times at Caprock Canyons State Park.

After two and a half wonderful years at Caprock Canyons State Park and the community of Quitaque John was promoted as "Assistant Superintendent" at Lake Whitney State Park in March of 1978. It was with mixed feelings John left but it was time. John was then promoted to "Superintendent" at Jim Hogg State Historical Park in Rusk, Texas in September of 1980 where he was superintendent until March 2002. At that time the Texas Parks and Wildlife Department decided to give the park to the City of Rusk.

By this time John and Janet had four children. The City of Rusk was their hometown and he did not want to up root them to continue his career and was fortunate to have the department honor his request to be transferred to the Texas State Railroad State Park as "Assistant Superintendent." John retired from the department in December 2005 but could not stay away from the venerable railroad so he returned in March of 2006 as "Special Projects Administrator" for the railroad wearing several hats. In August of 2007 the Texas Parks and Wildlife Department ceased to manage the railroad and with it came a new company to operate the facility. John and many others simply separated from the department and went to work for the new company.

John is still with the Texas State Railroad (2013) working in the "Marketing Department" and enjoys being able to continue to help with the preservation and promotion of this "True Texas Treasure."

NOTE: The work and service of The Texas Bison Student Group is illustrated at the website of The STAR DAY Foundation.

**THE STAR DAY FOUNDATION**

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**JOHN GARBUTT III  
THE FIRST PARK RANGER OF CAPROCK CANYONS STATE PARK**