

# Ask The Beasts

by Dr. Jay L. Wile

## Qualifications

- Ph.D. in Nuclear Chemistry
- University Professor 1990-1995
- NSF-sponsored scientist with >\$200,000 in research grants
- Published over 30 articles in nationally recognized peer reviewed journals
- Currently writes junior high and high school science curriculum for homeschoolers

## Job 12:7-10

But now ask the beasts, and let them teach you; And the birds of the heavens, and let them tell you.

Or speak to the earth, and let it teach you; And let the fish of the sea declare to you.

Who among all these does not know That the hand of the LORD has done this, In whose hand is the life of every living thing, And the breath of all mankind?

## Romans 1:20

For since the creation of the world His invisible attributes, His eternal power and divine nature, have been clearly seen, being understood through what has been made, so that they are without excuse.

## James Prescott Joule

“After the knowledge of, and obedience to, the will of God, the next aim must be to know something of His attributes of wisdom, power and goodness as evidenced by his handiwork. It is evident that an acquaintance with natural laws means no less than an acquaintanceship with the mind of God therein expressed.”

## Carolus Linnaeus

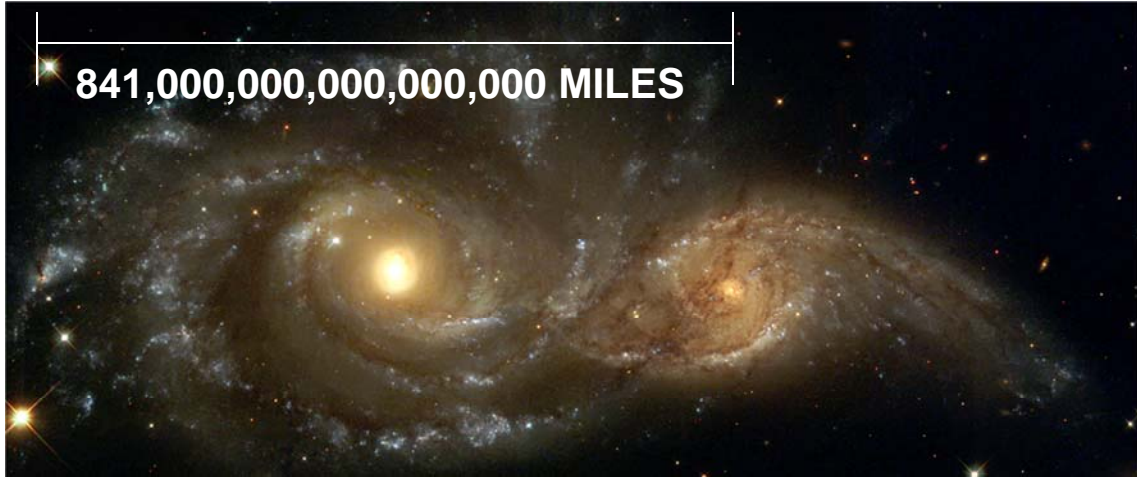
“I saw the infinite, all-knowing and all-powerful God from behind...I followed His footsteps over nature’s fields and saw everywhere an eternal wisdom and power, an inscrutable perfection.”

## Henry F. Schaefer III

“The significance and joy in my science comes in the occasional moments of discovering something new and saying to myself, ‘So that’s how God did it!’ My goal is to understand a little corner of God’s plan.”

**Psalm 19:1,2**

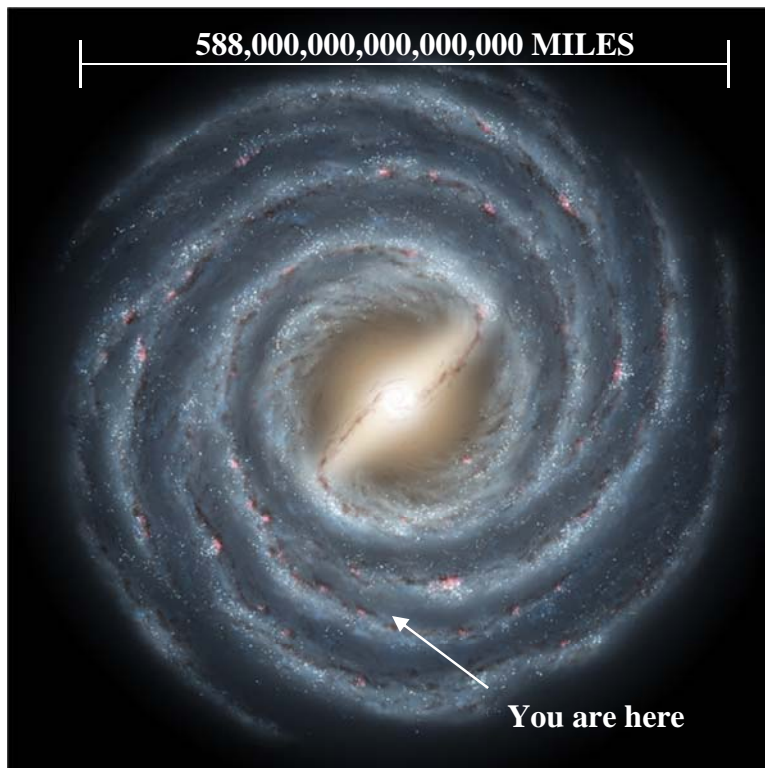
“The heavens are telling of the glory of God; And their expanse is declaring the work of His hands. Day to day pours forth speech, And night to night reveals knowledge.”



*Photo courtesy of NASA*

**The heavens tell us God is VAST and POWERFUL**

**“Our” Galaxy – The Milky Way**



*Photo courtesy of NASA*

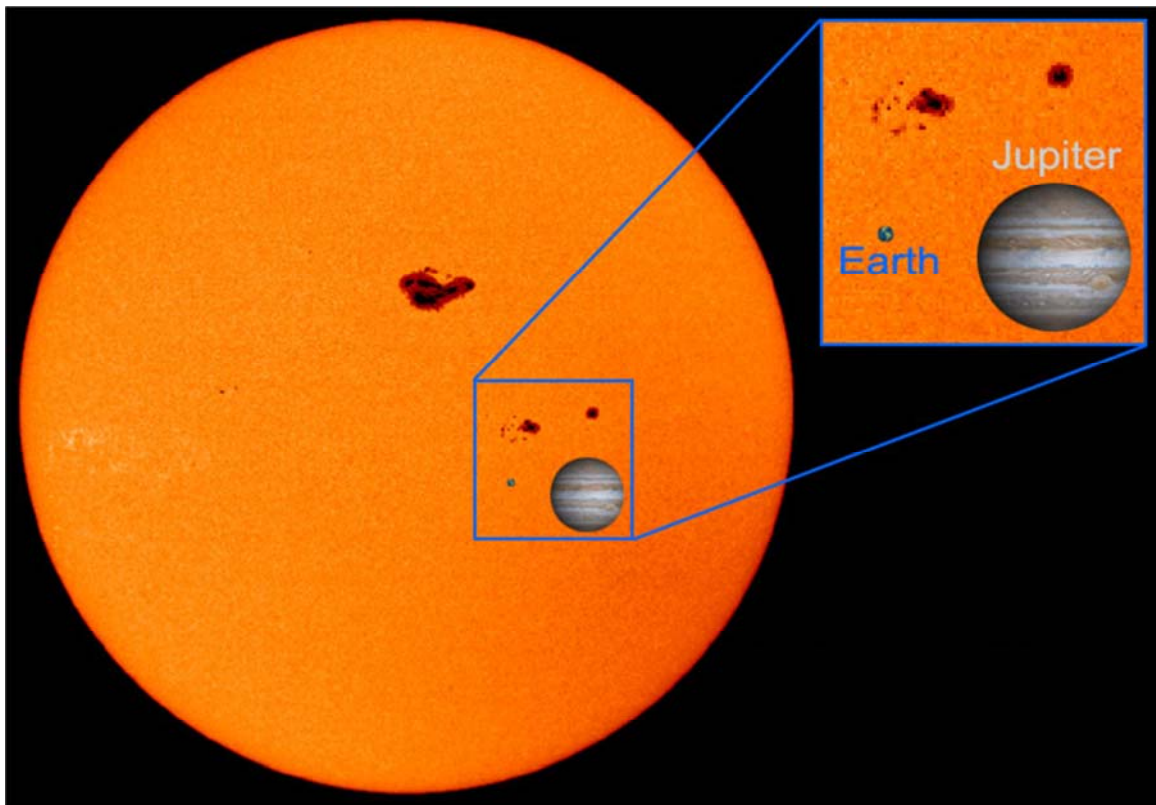
## Our galaxy is special.

It is one of 4 types of galaxies. It is a spiral galaxy. The others are elliptical, lenticular, and irregular. It also has an unusually large central bar. No one understands why.

## Our Place in the Galaxy is Special

- 👉 We are at the COROTATION distance – which means we orbit the center of the galaxy at the same speed as the arms of the galaxy. That way, we don't find ourselves careening through walls of stars, as we would anywhere else.
- 👉 We orbit around the center of the galaxy in a circle. Most positions in the galaxy result in an elliptical orbit, which would put great gravitational stresses on our solar system as it gets closer to and then farther away from the center.

## Our Sun is VERY Special



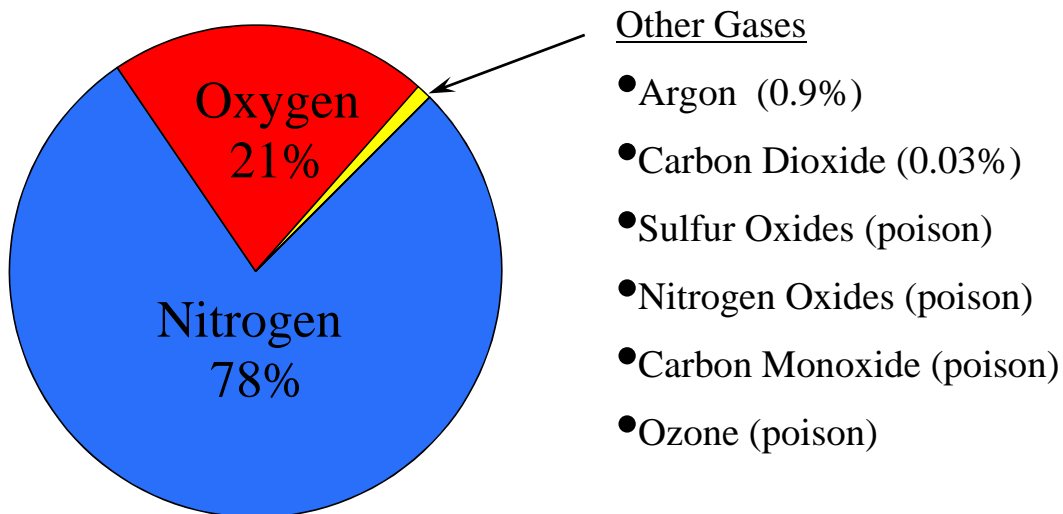
*Photo courtesy of NASA*

- 👉 The sun is big, but not so big that it would engulf the earth.
- 👉 The sun is small, but not so small that the earth would have to orbit very close to it.
- 👉 The sun is a SINGLE star, which is very rare.
- 👉 The solar flares that come from the sun are 100 to 100 million times less powerful than those from stars of comparable size and mass.

## The Earth is VERY, VERY Special

- It is at the PERFECT distance from the sun. A change by even a few percent would be devastating.
- It has the PERFECT mass to support an atmosphere but not crush us.
- It has a strong (but not too strong) magnetic field to protect us.
- The atmosphere has the PERFECT mix of gases to support us.

## The Makeup of Dry Air



## The Ozone Filter

Ozone's molecular structure allows it to block ultraviolet radiation from the sun. In the process, both the ozone molecule and the ultraviolet light are destroyed. Even though ozone is a poison, it is necessary for life, because ultraviolet light kills living tissue. The majority of earth's ozone is in the OZONE LAYER, which is high in the atmosphere, much higher than the tallest mountain. Thus, its poisonous characteristics are not a problem for us, and it protects us from ultraviolet light.

**The heavens tell us we are VERY SPECIAL to God!**

## Just as Size Varies Among Stars...

It also varies among organisms. The smallest living things must be magnified by about 10,000 times to be seen, while the largest must be divided by about 1,000 times to fit into a reasonable picture.

## There are LEVELS in Nature

1. The “food chain” (more accurately, the food WEB) shows a structure whereby “greater” animals use “lesser” animals.
2. People cultivate plants and fungi for food, but so do ants!  
Leafcutter ants cut the leaves off trees and take them back to the colony. They don’t eat the leaves, however. They use them to grow fungus, and they eat the fungus.
3. Ants even keep domesticated animals!  
Ants herd aphids. They protect the aphids and take them out to “graze.” The aphids excrete a sugary liquid called “honeydew,” which the ants eat.

**The beasts tell us that there is something GREATER than us.**

### Some beasts are MADE FOR EACH OTHER!

The oriental sweetlips has teeth. In order to keep them healthy, they must be brushed. After spending all day eating little fish, it finds some coral and hovers over it. Out from the coral shoot blue-streak wrasses, that swim RIGHT INTO THE MOUTH or up the gills, and they eat all the crud off the sweetlips’ teeth. This is an example of SYMBIOSIS, the phenomenon where two or more animals work together to help one another.

“Symbiosis is the most relevant and enduring biological theme in the history of our planet.” – Dr. George D. Stanley, Jr. *Science* 312:857 2006

*Crematogaster* ants live on the *Acacia* tree. The tree provides them with food and shelter. In return, the soldier ants attack any intruders. The tree’s flowers release ANT REPELLANT so the tree can still reproduce.

**The beasts tell us that God has a PLAN for it all.**

Even though nature reveals a lot about God, it is important to remember:

“Nature has some perfections to show that she is the image of God, and some defects to show that she is only His image.” and some defects to show that she is only His image.”  
-Blaise Pascal