

thousand times as large as this earth, and that the distance from ~~here~~ here to the sun is almost 93 millions of miles. It is hard for human mind to conceive such distance, yet it has been discovered that it only takes late that the nearest star is 300,000 as far away from the sun as the sun is from us. During the past century, the stars ~~that~~ that we see at night have been, can be observed ~~from~~ with a telescope has been closely studied, and ^{it} has been found that they form a great galaxy shaped like a disk, generally ~~a~~ like a disk with ~~a~~ great concentration of stars in the middle, and others revolving around it. The disk is about 100,000~~0~~ light years from its widest measurement, and ~~its~~ in its breadth it is about 5000 light years. The earth is about 2/3 away from the center to the outer realm. Many of the stars are far larger than the sun. One, for instance, Petelgbuse, a rather prominent star ~~in~~ in the constellation(?) Orion is so large that it would fill the whole ~~space~~ space between here and the sun. ~~Yet~~ Yet, its density is so slight that it is ^{only} 100 times as dense as the air that we breathe. Other~~s~~ stars ~~smaller~~ smaller than the sun are many times as dense as it is. Our galaxy is a vast, and tremendous conglom~~er~~eration of matter with the galaxy whirling around upon its center within its stars which like our sun revolving on their axis. And ~~in~~ in the case of our sun a system of planets revolving around it. The _____ thought that there were five planets revolving around the sun. It is now known that there are nine major planets, and over 1500 minor planets. Only within the last 30 ~~year~~ years ^{has} the discovery gone further, and found that objects by the ~~use~~ use of new telescopes and newer techniques it is proven that certain _____ of light that can be detected in the atmosphere are actually other galaxies as large as our own, and it is ~~is~~ said that billions of these galaxies have been proven to be existent within the observable universe.

