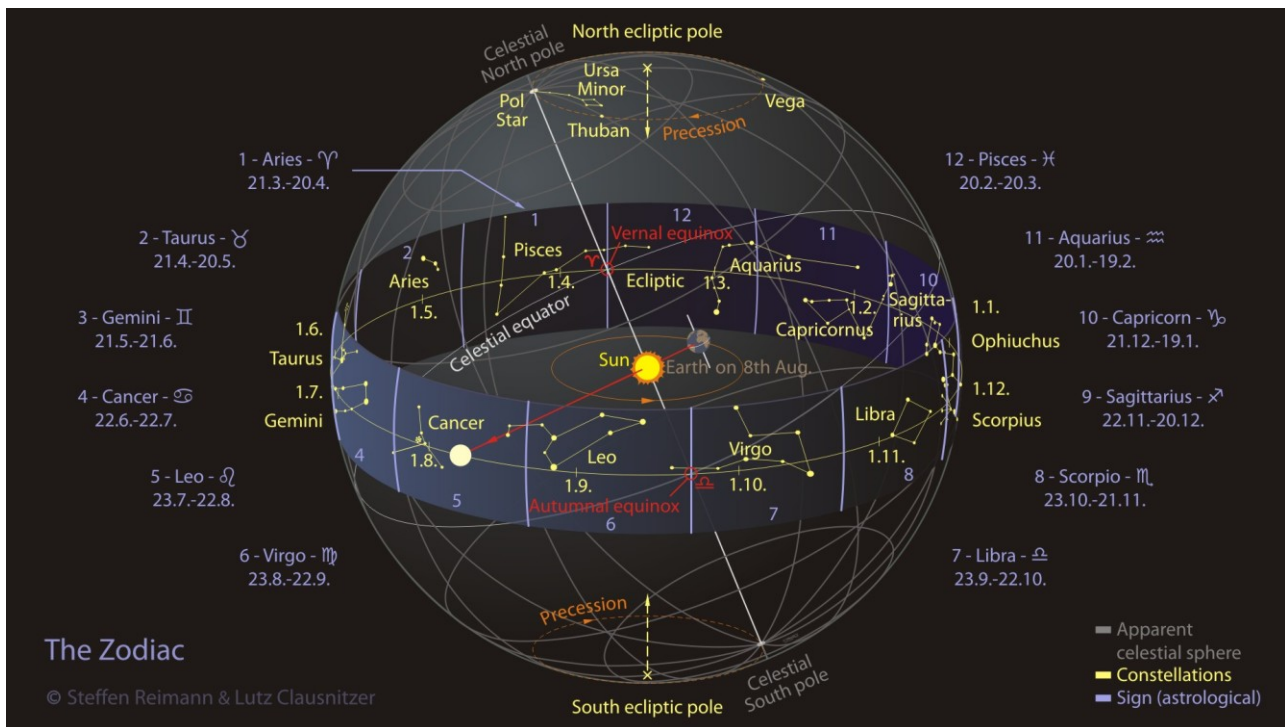


Problems to App “Audio Sky Tours”, Episode 6

Astronomy and Astrology



1. In episode 6 four reasons are discussed why the starry sky has been studied intensive already millenniums ago. Name three of these historical roots of astronomy.
2. Who described the planetary orbits mathematically in the early 17th century? He also found that planets move around the Sun in ellipses while changing their speed. Who was the first to explain this behaviour physically. How was this explanation?
3. There are two circles intersecting each other in the vernal equinox and the autumnal equinox. How are these circles named? How are the 30°-sections of the zodiac named that begin at the vernal equinox?
4. After 12,000 years Vega in constellation Lyra will be the new Pole Star. How can this be explained?
5. What do you think are the meanings of the designations 1.8., 1.9., 1.10. etc. at the ecliptic?
6. Suppose, somebody of your friends was born on a November 1. Find in the sketch in which constellation the Sun stood at this date. To which sign astrologers will assign him/her?
7. Which constellation lacks such a sign?
8. How humans came to the idea a long time ago that stars could tell something about the future?
9. Why astrology lost many supporters in the 18th and 19th century?
10. You cannot observe the constellation corresponding to your sign on your birthdays. Explain this.