

XIV Международная астрономическая олимпиада  
XIV International Astronomy Olympiad

Китай, Ханчжоу

8 – 16. XI. 2009

Hangzhou, China

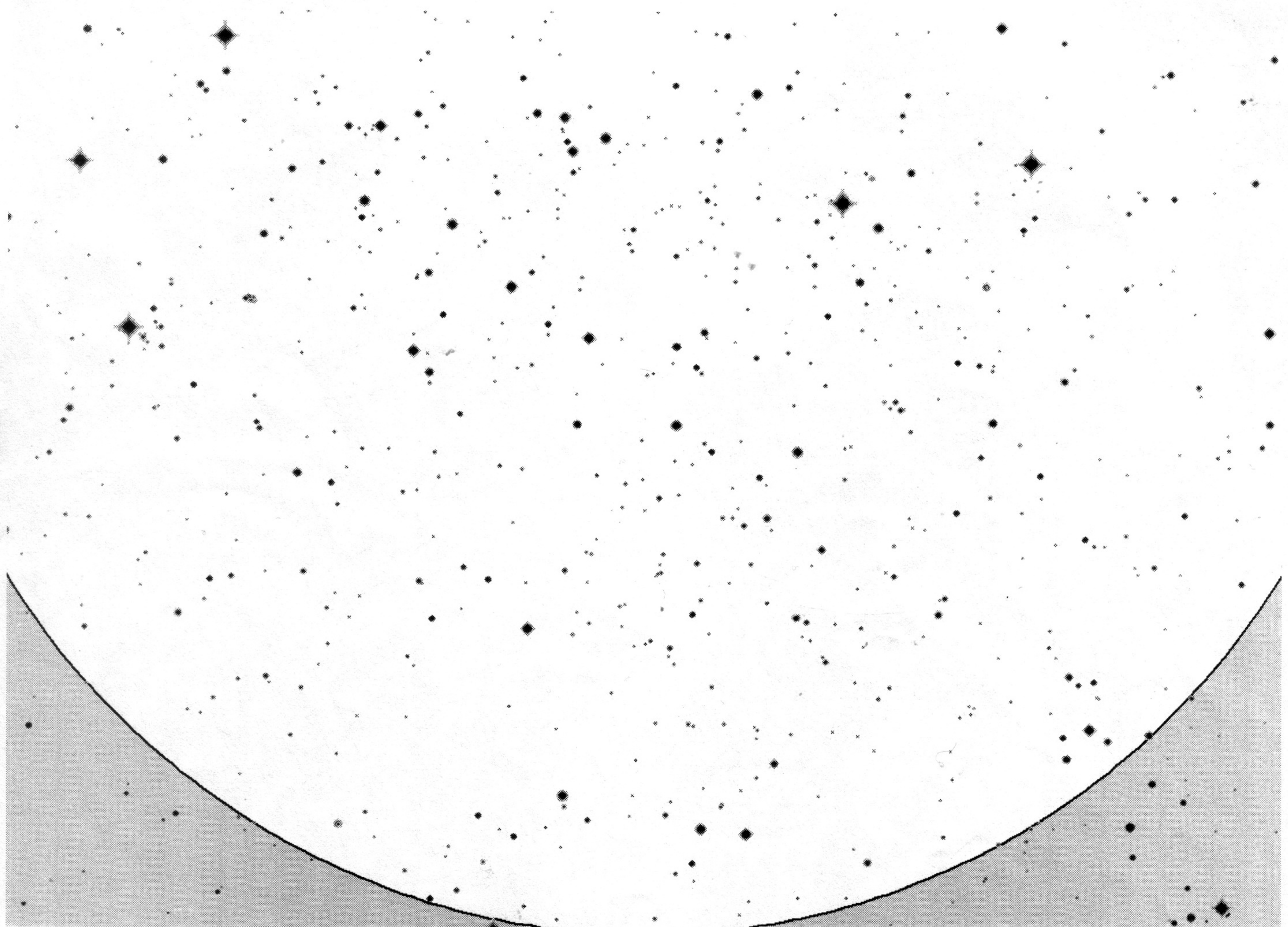
Язык	<b><i>English</i></b>
language	

**Observational round. Questions**

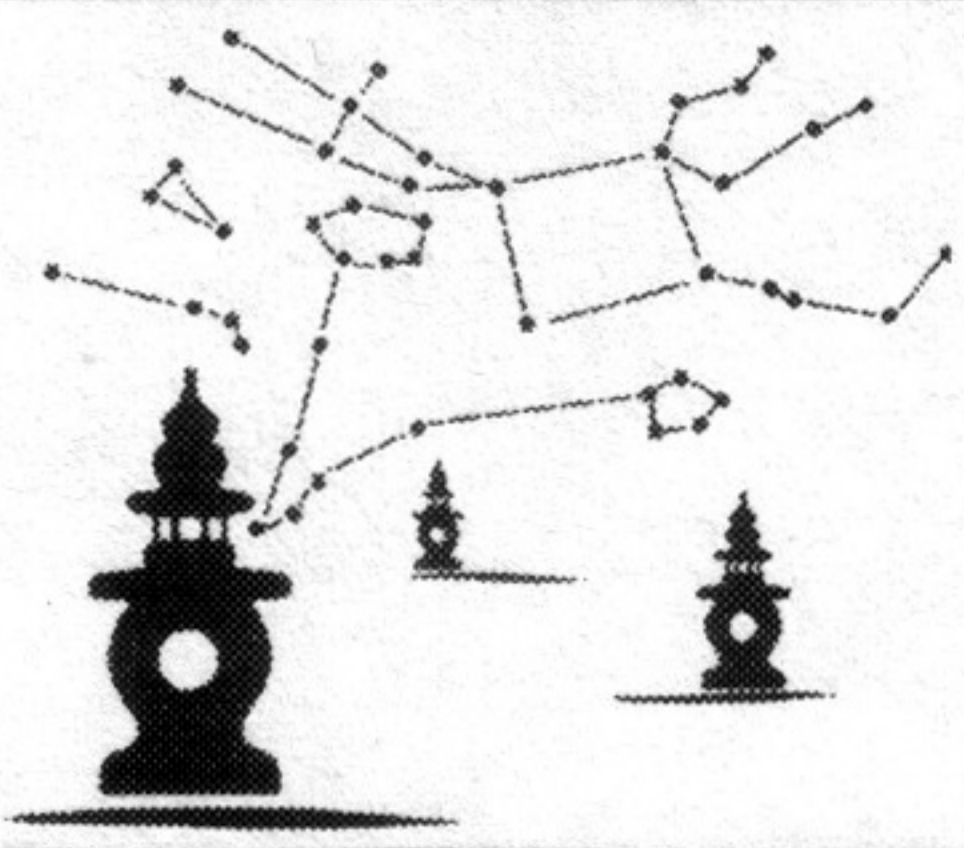
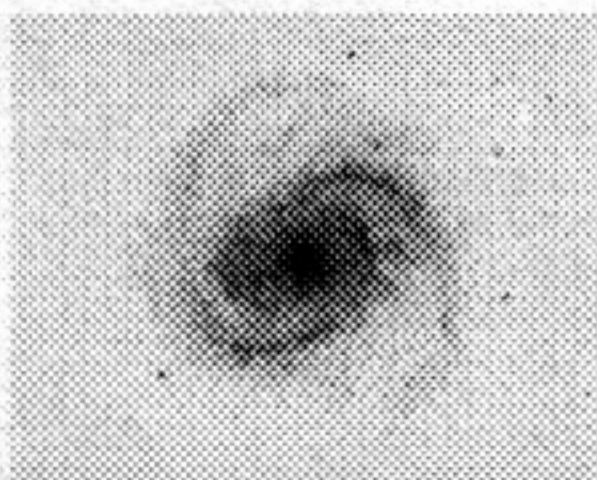
*Time for solving the problems is 20 minutes*

- 8.1. There are two bright stars that are missing in sky chart 1. Add them on to the chart with crosses (×).
- 8.2. Mark the approximate position of Jupiter tonight with a small circle (O) on sky chart 1. And write down English name of the planet (“Jupiter”) beside it.
- 8.3. Which of the following planets can also be observed tonight in the field of view of sky chart 1? Fill box  by A, B, C or D.

A. Mars      B. Saturn      C. Neptune      D. Uranus



sky chart 1



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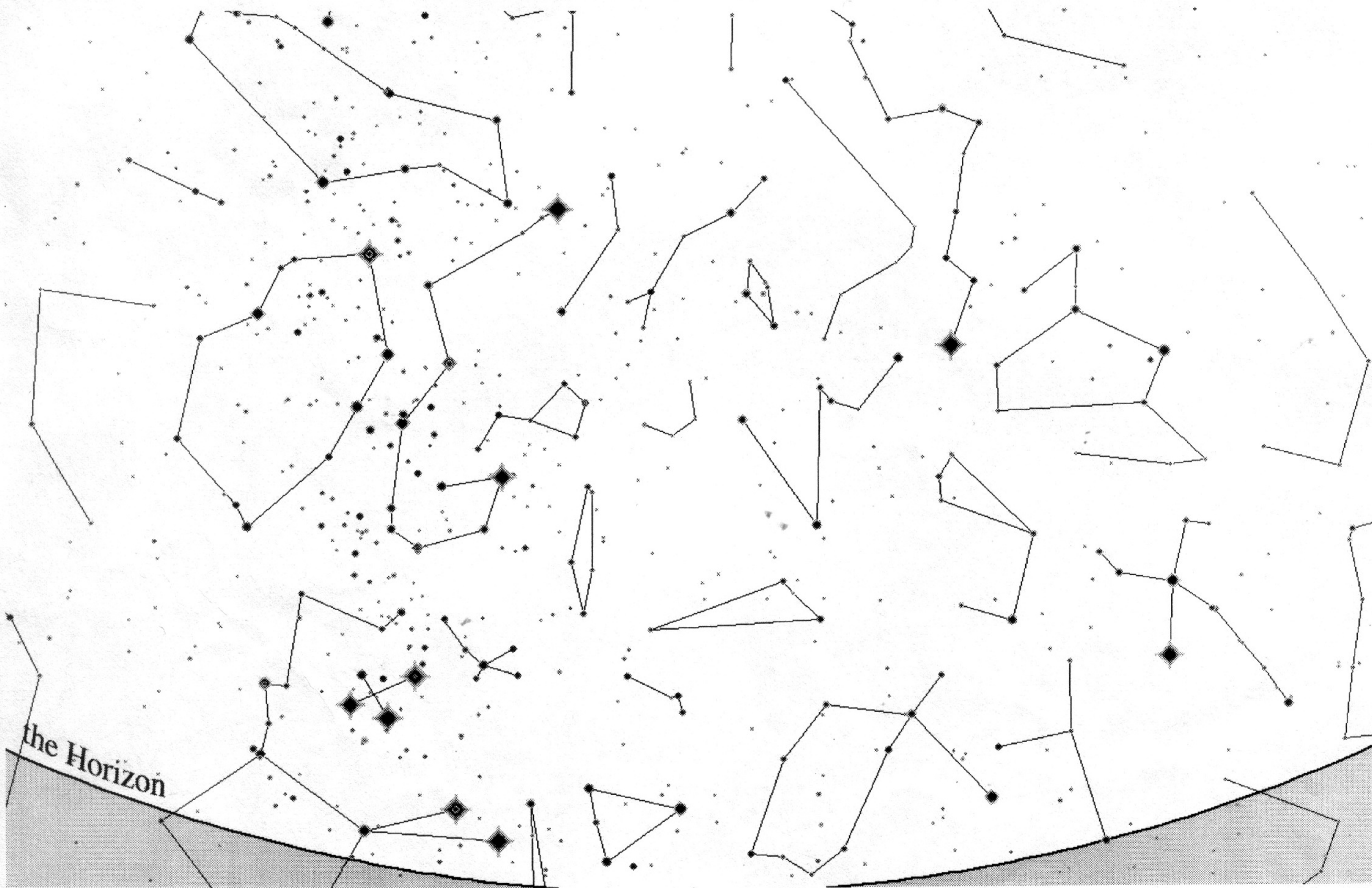
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9.1. Where on our planet can we see a night sky shown by sky chart 2?  
Fill box  by A, B, C or D.

- A. the Northern Hemisphere    B. the Southern Hemisphere    C. the Equatorial  
D. both A and B



sky chart 2

9.2. Mark the location of the following constellations on sky chart 2 with A, B, C and D.

- A. Crux    B. Eridanus    C. Puppis    D. Vela

9.3. Mark the brightest star in sky chart 2 with an open circle (  $\bigcirc$  ).