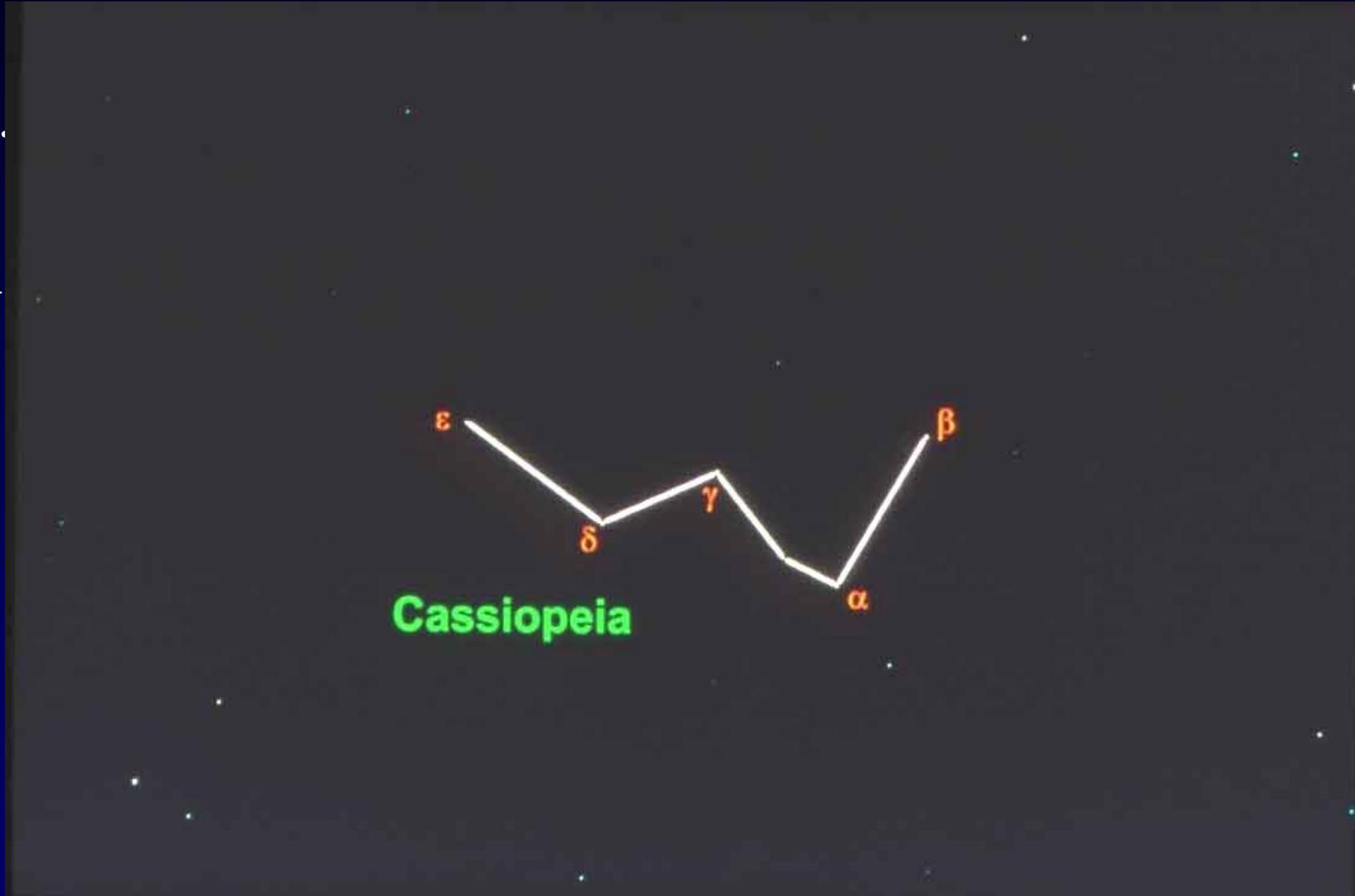


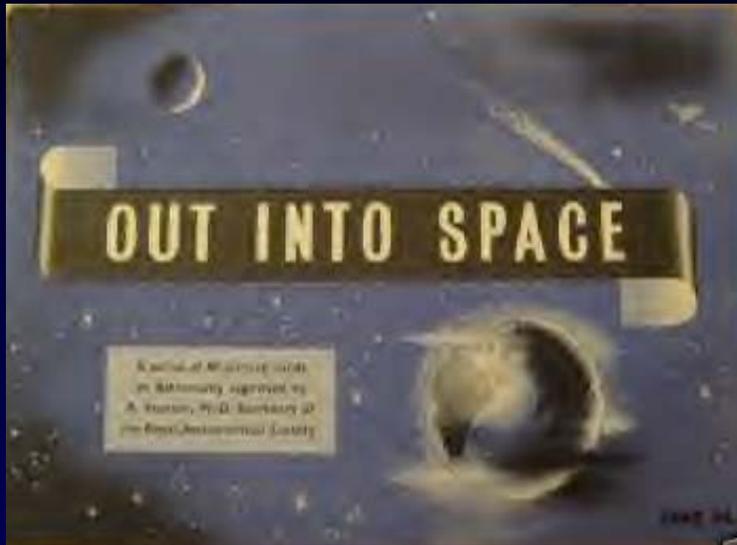
# October's Suggested Constellation - but which?



# October's Suggested Constellation - but which?



# October's Suggested Constellation



A SERIES OF 50 No. 44

## OUT INTO SPACE

Approved by A. Hunter, Ph.D.,  
Sec. Royal Astronomical Society

### CASSIOPEIA

Cassiopeia is on the opposite side of the Pole Star from The Plough. It consists notably of a group of five very bright stars forming a W. Two of these, Ruchbah and Caph, are navigation stars. This constellation contains about 60 stars visible without the aid of a telescope. It is named after Cassiopeia, wife of Cepheus, King of Ethiopia, and mother of Andromeda who was saved from a sea monster by Perseus (Greek Mythology).

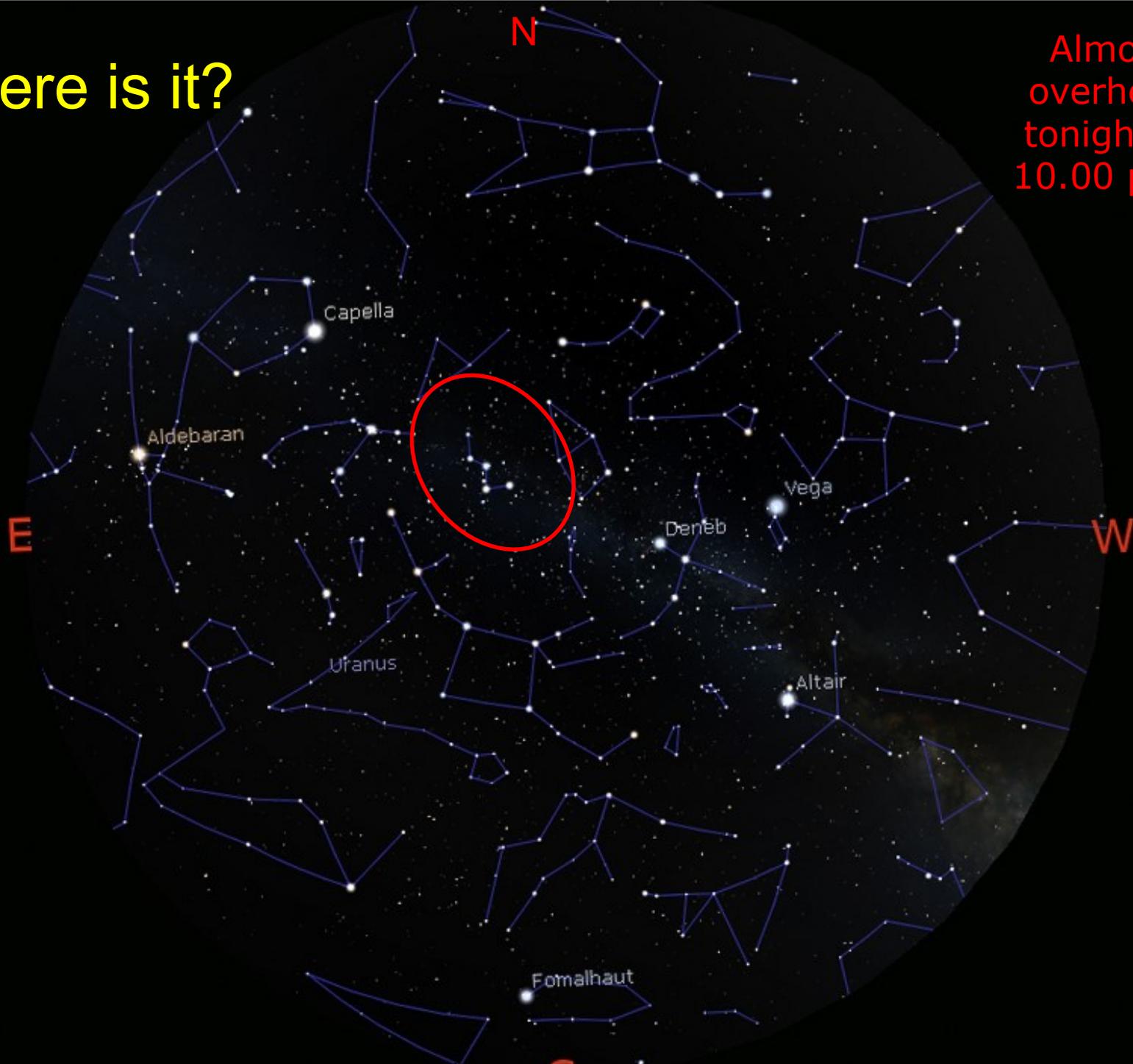
GET A PICTURE CARD ALBUM  
FROM YOUR GROCER-Price 6d

ISSUED IN PACKETS OF BROOKE BOND  
'CHOICEST', 'P.G. TIPS' & 'EDGLETS' TEAS

Brooke Bond & Co. Ltd.

Where is it?

Almost overhead tonight at 10.00 p.m.





## Messier Objects in Cassiopeia



**M52**

**Distance** 5000 light years  
**Visual Brightness** Magnitude 7.3  
**Apparent Dimension** 13.0 arc minutes  
**Discovered** 1774 by Charles Messier

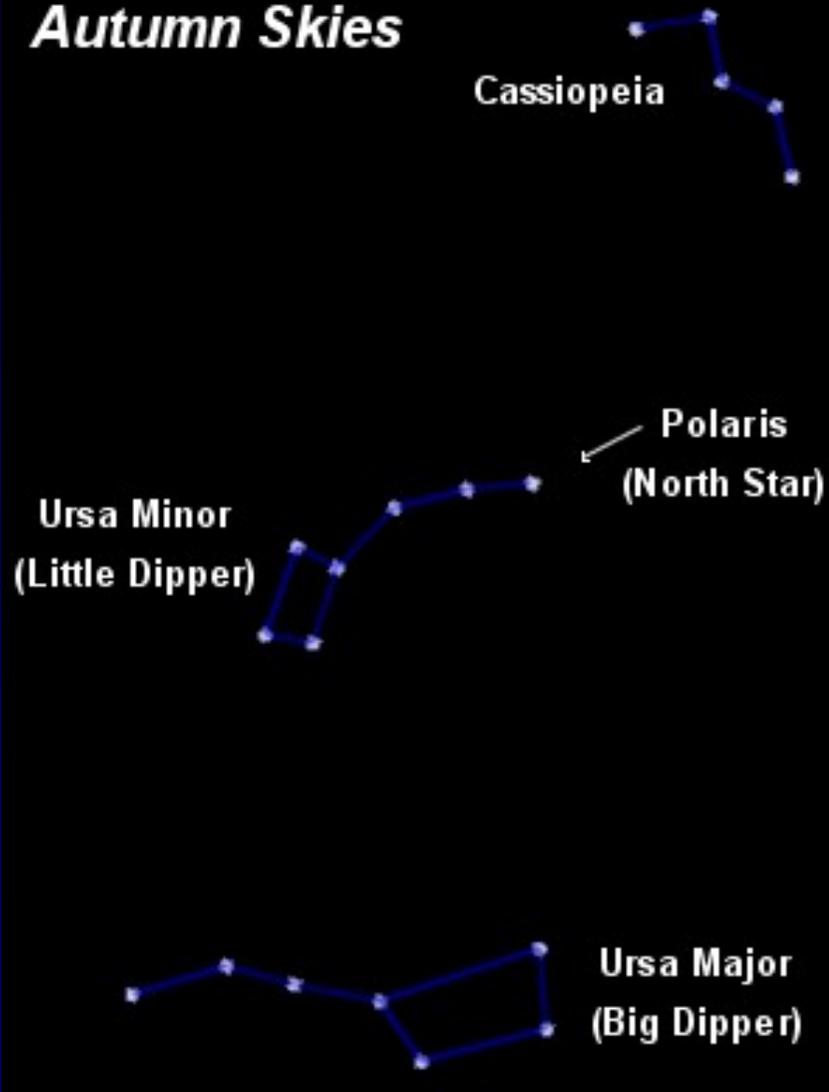


**M103**

**Distance** 8500 light years  
**Visual Brightness** Magnitude 7.4  
**Apparent Dimension** 6.0 arc minutes  
**Discovered** 1781 by Pierre Méchain

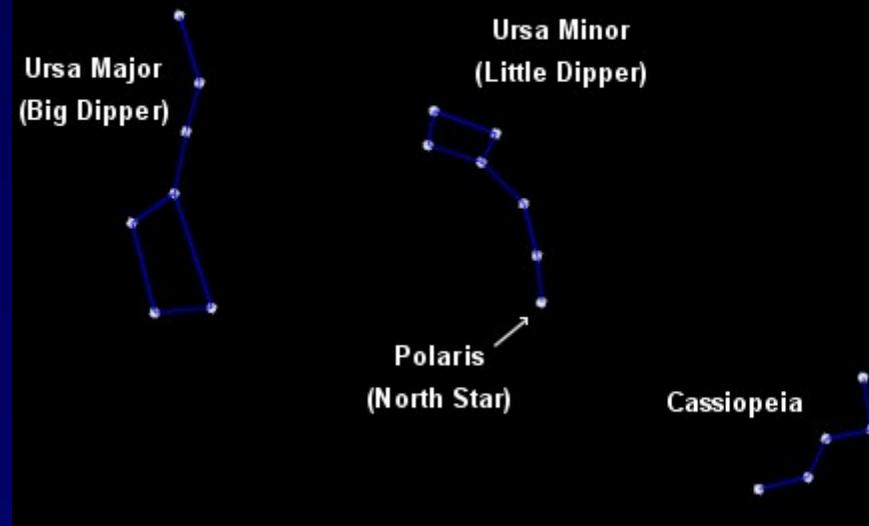
# Using Cassiopeia

## Autumn Skies

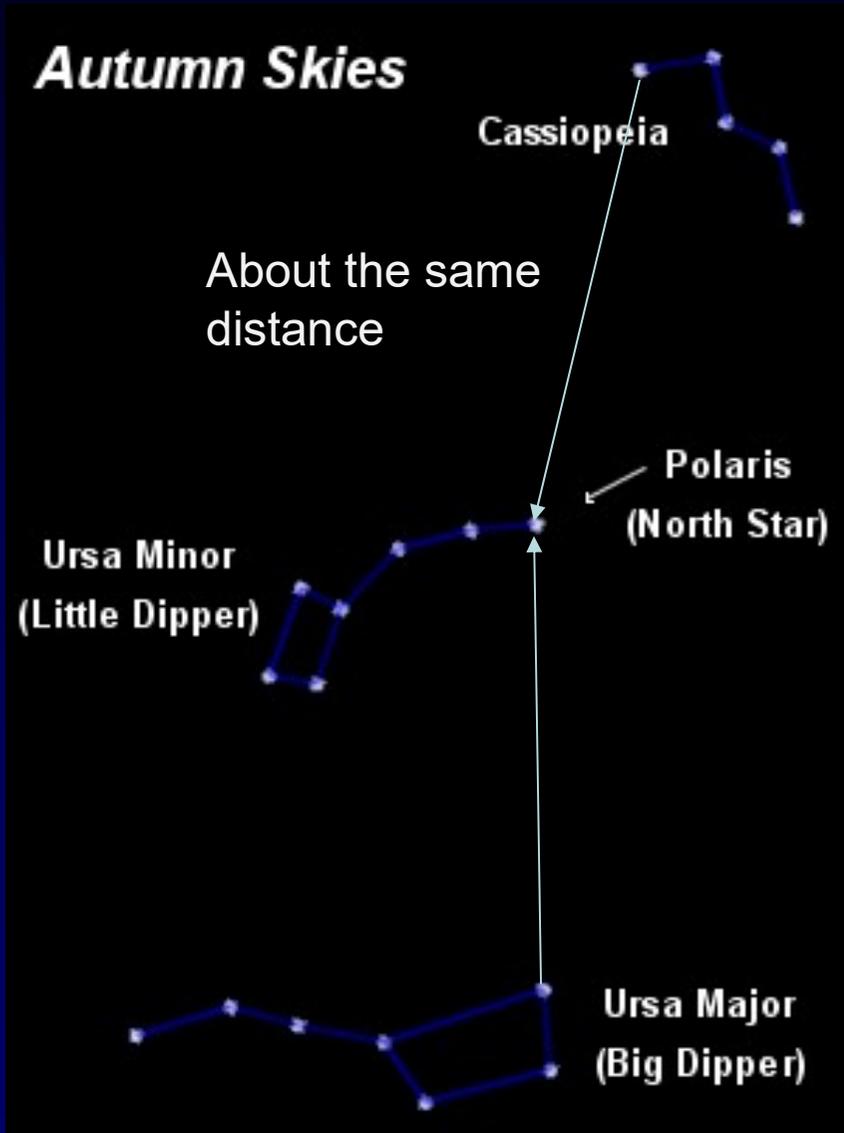


- Finding North
  - Cassiopeia is circumpolar, so will always be above the horizon

## Summer Skies



# Using Cassiopeia



- Finding North
  - Cassiopeia is circumpolar, so will always be above the horizon
  - If Ursa Major & Minor are obscured by clouds then you can make a rough judgement using Cassiopeia

# Using Cassiopeia



- You can find your way to the Andromeda Galaxy (M31) using Cassiopeia

# Using Cassiopeia



- You can find your way to the Andromeda Galaxy (M31) using Cassiopeia
- And also to the Double Cluster in Perseus