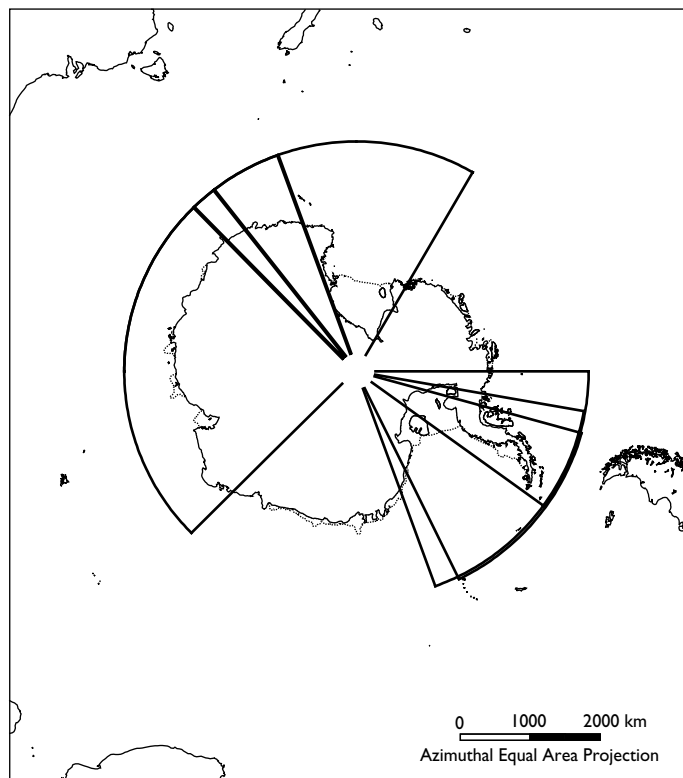


**DATELINE:** 21 January 2000 — The *Aurora Australis*, Australia's Antarctic research ice-breaker returned to Hobart after a 60 day scientific voyage surveying antarctic seals. The voyage also changed over the winter crews at Davis and Mawson Stations. The ship delivered a group of 5 Australian glaciologists to Amery Ice Shelf for a six month research project involving drilling through the ice to sample water and sediments.

- Use the maps of Antarctica on page 120 and 122 of the *Jacaranda Atlas* to locate and label the following:
  - South Pole, Atlantic Ocean, Pacific Ocean, Indian Ocean, Australia, New Zealand, Chile, Argentina, South Africa, Casey, Davis, Mawson and Edgeworth David stations, Amery Ice Shelf.
  - seal breeding areas (use a symbol)
- Use the map on page 120 of the *Jacaranda Atlas* to answer the following questions about Antarctic bases.
  - How many bases are shown as being administered by:
    - Australia \_\_\_\_\_
    - United Kingdom \_\_\_\_\_
    - U.S.A. \_\_\_\_\_
    - Chile \_\_\_\_\_
    - France \_\_\_\_\_
    - New Zealand \_\_\_\_\_
    - Argentina \_\_\_\_\_
    - Russia \_\_\_\_\_



- What other countries have bases in Antarctica?  
\_\_\_\_\_
- Use the map of Mawson Station on page 121 of the *Jacaranda Atlas* to list the buildings associated with each of the following functions:
 

Transport \_\_\_\_\_

Power/water services \_\_\_\_\_

Waste disposal \_\_\_\_\_

Construction / maintenance \_\_\_\_\_

Scientific experimentation \_\_\_\_\_

Storage \_\_\_\_\_

Sleeping/medical \_\_\_\_\_
  - Mawson Station is 4 hours behind Australian Eastern Standard Time (AEST). If a scientist at Mawson Station starts a research shift in the cosmic ray building at 4.00pm, what time is it in Sydney? \_\_\_\_\_
    - When a person in Melbourne rings a relative working at Mawson Station at midday AEST, what time is it at Mawson Station? \_\_\_\_\_

To view live web cam from Mawson Station, visit [www.antdiv.gov.au/stations/mawson/video.html](http://www.antdiv.gov.au/stations/mawson/video.html)