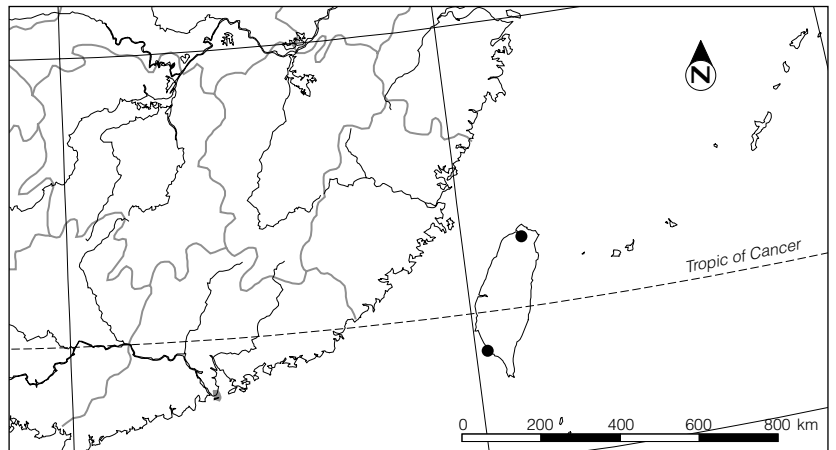


DATELINE: 23 August, 2000. Typhoon Bilis measuring 600 km across swept across Taiwan leaving 11 people dead and at least 100 injured before continuing its path into southern China. Bilis was categorised as a 'super' typhoon because it generated wind gusts of 320 km/hr at its highest intensity. The effects of the typhoon were felt from Taipei in the north to Kaohsiung in the south of Taiwan. More than 600 000 homes lost power and agricultural damage is estimated at 4 billion Taiwan dollars. The deaths were caused by mudslides from the heavy rain and injuries from falling debris. The typhoon weakened as it reached mainland China's Fujian province, where flooding and mudslides also occurred.

- Use the map on page 148–149 of the *Jacaranda Atlas* to mark the following on the outline map of Taiwan and southern China:
 - Pacific Ocean, South China Sea, East China Sea
 - the cities of Taipei and Kaohsiung
 - the island of Taiwan and the Chinese province of Fujian
 - use an arrowed line to mark the path of Bilis from the Pacific Ocean westwards across central Taiwan and then to southern China.



- Refer to page 19 of the *Jacaranda Atlas* and the Dateline above to fill the following blanks:

_____ are weather events which form over _____ with temperatures greater than _____ and in latitudes less than _____ north and south of the _____. In the Americas they are called _____ and in Australia and the Pacific region they are called _____. The typhoon which hit Taiwan was categorised as a _____ typhoon because winds reached _____. The destruction resulting from typhoons may be damage to property from the _____, flooding from the _____ or from _____ caused by the rain. Once the typhoon reaches land, its intensity _____ because it depends for its energy on _____, _____, _____ air over _____.

- How do typhoons form?
Refer to page 19 of the *Jacaranda Atlas* to add the following labels to the diagram of typhoon formation: **Cumulo-nimbus clouds form, warm air spirals up quickly, cool air flows into centre replacing warm rising air, air flows out quickly allowing more air in below, 'eye' of typhoon.**
- Using information in the Dateline and on page 105 of the *Jacaranda Atlas*, complete the following table:

| | Typhoon Bilis | Cyclone Vance |
|--------------------|---------------|---------------|
| Region | | |
| Maximum wind gusts | | |
| Type of damage | | |
| Lives lost | | |

