

# Fog



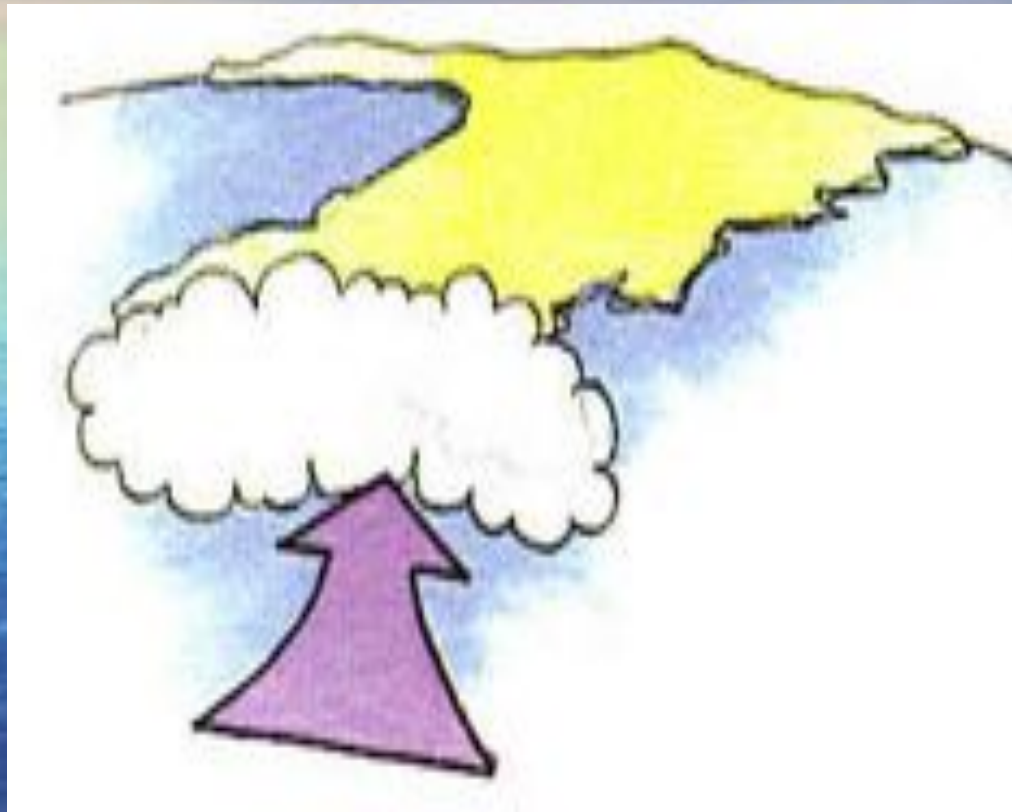
- What is fog?
- Warm, moist air which has been cooled

# Fog



- A boiling kettle in a cold room
- Exhaled breath on a cold day
- Steam from shower in a cold bathroom

# Advection (Sea) Fog



- Warm moist air comes over cold sea/land
- Usually from South or SSE
- Usually Spring (sea still cold)
- Can persist at sea for days

# Advection (Sea) Fog



- How does it clear?
- Needs a change in conditions
- Remove source of warm air
- Ie Change in wind direction

# Radiation (Land) Fog

- Warm moist air
- Cooled at night
- High pressure – no clouds
- Warm day – cold night
- Mainly winter
- Valleys, bogs
- Can drift to sea



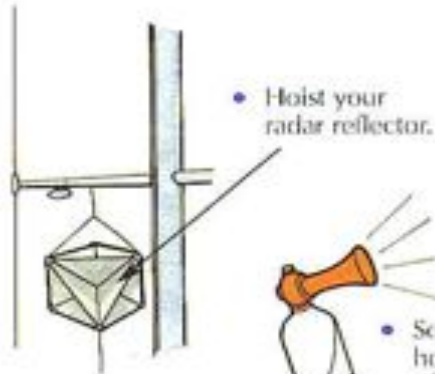
# Radiation (Land) Fog



- How does it clear?
- Wind will blow it away
- Sun will burn it up during the day

It is not advisable to set out in fog, especially if you don't have a radar set. However if you are caught out:

- Fix your position



- Muster crew on deck in life jackets.

- Listen on Port frequency to check for commercial traffic.



- If you have radar keep a constant experienced radar watch,



#### Navigation strategy

- 1 Get out of shipping lanes
- 2 Find and follow contour in.



Where possible, don't set a course directly for the entrance to a port. Error might take you to the wrong side and you might put yourself directly in the path of commercial vessels.

# Fog – what to do